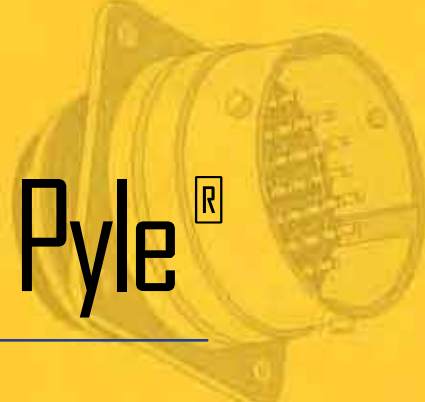


# Amphenol MIL-DTL-83723, Series III, Pyle®



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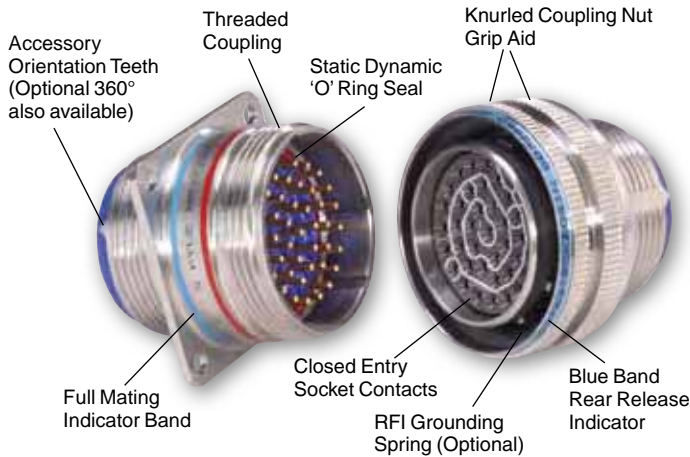


### MIL-DTL-83723 Series III, Pyle® Typical Markets:

- Military & Commercial Aviation
  - High Temperature Applications
- Military Vehicles



**Amphenol Aerospace offers the Pyle® Product line of MIL-DTL-83723\*, Series III Connectors.**



Amphenol/Pyle 83723 Series III high temperature styles are capable of operation at 260° C/500°F. A 100% scoop-proof version of the high temperature connector is also available under specification ESC11/Pyle HTK Series. In addition, this connector series incorporates a unique sealing grommet that is capable of sealing on standard diameter wire as well as Kapton wire of reduced diameter.

The Pyle 83723 family provides connectors in environmental, firewall and hermetic classes that exceed the most stringent specification requirements.

**MIL-DTL-83723, Series III Connectors are Available in a Wide Variety of Styles:**

**THREADED STYLE CONNECTORS**

- Stainless steel shells\*\* provide corrosion resistance
- Metal to metal bottoming
- Unique sealing grommet accepts a wide range of wire diameters
- Patented non-decoupling device in plugs - a self-locking clutch plate that provides greater resistance to decoupling than coupling during vibration

**BAYONET STYLE CONNECTORS**

- Same quality features of the threaded style, but with 3 point bayonet coupling - quick turn to lock, visual confirmation of complete coupling

**HIGH TEMPERATURE STYLE CONNECTORS**

- High temperature connector materials and contacts provide operation to 200°C and Firewall capability to 260°C
- Improved metal to metal bottoming design
- Unique sealing grommet accepts a wide range of wire diameters
- Improved 360° accessory orientation teeth provide greater performance under vibration
- Patented non-decoupling device (torque differential)
- Improved shell to shell conductivity with optional RFI grounding fingers
- Styles available that meet several European specifications, General Electric and Rolls Royce specifications

**HERMETIC STYLE CONNECTORS**

- Hermetic styles are available in threaded receptacles with solderwell or flat eyelet termination
- Designed for environmental moisture sealing with fused compression glass sealed inserts
- High temperature hermetics 200°C and 260°C Firewall

**Design Features (Threaded Style Shown)**

The Amphenol MIL-DTL-83723 Series III family of connectors includes styles from Pyle National. These have proven technology for severe environments and are widely used in commercial and military aerospace markets. Amphenol/Pyle 83723 connectors incorporate many advantageous features, such as a unique threaded coupling mechanism that provides greater resistance to decoupling. This coupling mechanism eliminates the need for safety wiring and tends to couple during vibration - thus offering the user added assurance and a margin of safety.

**SERVICE RATINGS**

Service Rating	Recommended Operating AC Voltage at Sea Level	Test Voltage AC (RMS), 60 cps			
		Sea Level	50,000 ft.	70,000 ft.	110,000 ft.
I	600	1,500	500	375	200

Please note that the electrical data given is not an establishment of electrical safety factors. This is left entirely in the designer's hands as he can best determine which peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

\* MIL-DTL-83723 supercedes MIL-C-83723.

\*\* The Amphenol Pyle 83723 family is offered in stainless steel shell classes. See the Amphenol Matrix 83723 family for aluminum shell classes, in the preceding section of this catalog.

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

# MIL-DTL-83723, Series III, Pyle®

## Manufacturer's Specifications



The Amphenol/Pyle® Product line of MIL-DTL-83723\*, Series III Connectors was developed for the higher operating temperatures inherent in today's high performance aircraft and aircraft engines.

These connectors meet the performance requirements of the following manufacturer's specifications:

- Boeing BACC63CM/CN\* Firewall
- European: ASD† EN2997
- General Electric: M50TF3564
- Rolls Royce/SBAC: ESC10 and ESC11



**ESC11  
Engine Connector**

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix Pyle  
83723 III

Release Matrix  
5015  
Crimp Rear

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

### MIL-DTL-83723, SERIES III CONNECTOR PERFORMANCE CHARACTERISTICS

<b>Operating Temperature Data</b>	Std: -85°F (-65°C) to 392°F (200°C) Class K types meet fireproof test per MIL-DTL-83723 2000°F (1093°C) High Temperature Series: Operates at 500°F (260°C)
<b>Altitude</b>	Sea Level to 110,000 feet
<b>Voltage Breakdown Rating</b>	Service Rating I Sea Level .....1,500      50,000 ft. ....500 70,000 ft. .... 375      110,000 ft. .... 200
<b>Contact Rating</b>	Size 20 contacts ... 7.5 amperes max. Size 16 contacts ... 13.0 amperes max. Size 12 contacts ... 23 amperes max.
<b>Contact Retention Strength</b>	Exceeds MIL-DTL-83723 requirements
<b>Connector Durability</b>	500 cycles per MIL-DTL-83723 for threaded coupling; 500 cycles per General Electric M50TF2321 for non-decoupling styles
<b>Humidity</b>	To 98% relative humidity, including condensation
<b>Exposure</b>	Freezing rain
<b>Non-Decoupling</b>	Exceeds requirements of MIL-DTL-83723/95 and 96.
<b>Vibration</b>	Meets MIL-DTL-83723 of 41.7G's for 16 hours.; Boeing BACC63CM/CN for 36 hours General Electric vibration spec. M50TF2321 and M50TF2238 for 36 hours, which includes: <b>Temp. Extremes      G Level      Time Length</b> Room Temp. .... 60 G's ..... 12 hrs. (4 hrs. each axis) -65°F ±5°F ..... 60 G's ..... 12 hrs. (4 hrs. each axis) 350°F ±5°F ..... 60 G's ..... 12 hrs. (4 hrs. each axis)

### HERMETIC CONNECTOR PERFORMANCE CHARACTERISTICS

<b>Thermal Shock</b>	No damage detrimental to the operation of the connector occurs when subjected to 10 cycles of thermal shock from 0°C to 90°C and back to 0°C.
<b>Physical Shock (Mated)</b>	300 G's
<b>Moisture Resistance (Mated)</b>	500 Megohms
<b>Insulation Resistance, High Temp. (Mated)</b>	500 Megohms
<b>Corrosion (Unmated)</b>	Complies with MIL-DTL-83723 Req.
<b>Temperature Life</b>	Fully functional for 1000 hours at 200°C (392°F) ambient. Internal temperature 238°C (460°F).
<b>Air Leakage (Unmated)</b>	Less than .01 micron per cubic feet per hour on application of 15 PDS pressure differential across the connector.
<b>Altitude Immersion (Mated)</b>	After 3 cycles immersed in salt water with pressure reduced to 1 in. Hg (75,000 ft. altitude) for 30 minutes and returned to atmosphere pressure. While connectors submerged insulation resistance should remain 1000 megohms minimum and support 1500 volts RMS applied without flash-over or breakdown.
<b>High Potential Voltage Altitude (Unmated)</b>	When tested in accordance with MIL-STD-202, Method 301, no flash-over or breakdown under simulated altitude conditions as shown: <b>Altitude/Service Rating I</b> 50,000 ..... 500 AC-RMS 70,000 ..... 375 AC-RMS 110,000 ..... 200 AC-RMS

\* BACC63CM supersedes BACC63BR and BACC63CN supersedes BACC63BT.

† ASD supersedes AECMA

**MIL-DTL-83723, SERIES III SQUARE FLANGE RECEPTACLE, THREADED COUPLING**

Military: **M83723/82** with Sockets, Classes G, K

Military: **M83723/83** with Pins, Classes G, K

Commercial: **BT( )-17**  
With 'O' ring seal, Classes G, K

Comm. Special for General Electric: **BJ-17**  
With Static Dynamic Seal, Stainless Steel, but not avail. in Firewall

**BJ8-17**  
Same as BJ-17 except with Scoop-proof recessed pins

**BN-17**  
Same as BJ-17 except Electro-deposited Nickel Base

**BN8-17**  
Same as BN-17 except with Scoop-proof recessed pins

**BNK-17**  
Same as BN except Stainless Steel Firewall

Special with Boeing Designation: **BACC63CN\*\***  
With 'O' ring seal, Stainless Steel Firewall, with Boeing approved contacts, Shell modifications with 360° teeth per MS3155

Comm. Special per Boeing Co. Spec.: **BSK-17**  
Stainless Steel Firewall with 'O' ring seal, qualified to Boeing, Y126 Variation - with Boeing approved contacts

Commercial ASD Designation: **EN2997 ( )0**  
Meets ASD specifications  
200°C temp. (Classes K, S, Y),  
260°C high temp. (Classes KE, SE, YE)

Comm.- Meet Several European Stds: **BT( )-17**  
With 'O' ring seal, Classes G, K  
Variations for Euro market specifications

**BJ( )-17**  
With Static Dynamic Seal, Classes G, K  
Variations for Euro market specifications



**Square Flange Receptacle Threaded**

**SERVICE CLASSES\*  
MILITARY AND COMMERCIAL**

<b>G</b>	Stainless steel, 200°C
<b>K</b>	Stainless steel, 200°C Firewall capability
<b>S</b>	Stainless steel, 200°C Firewall capability, Grounding Spring
<b>P</b>	Stainless steel, 200°C, Hermetic with Eyelet contacts
<b>Y</b>	Stainless Steel, 200°C, Hermetic with Solderwell contacts
<b>KE</b>	Stainless Steel, High Temp. (260°C) Firewall capability
<b>SE</b>	Stainless steel, High Temp. (260°C) Firewall capability, Grounding Spring
<b>YE</b>	Stainless Steel, High Temp. (260°C) Firewall capability, Hermetic with solderwell contacts

\* For Classes A, R and W (aluminum shell types) - Amphenol supplies these in their Matrix 83723 family. See the preceding section of this catalog, 83723 III Matrix.



**Square Flange Receptacle, Threaded, per European Stds.**  
(Green Insert - High Temp 260°C;  
Blue insert - 200°C)

Commercial - Meet Society of British Aerospace Co./Rolls Royce Standards: **ESC10 ( )0**  
260°C Firewall (Classes KE, SE, YE), 360° accessory teeth per MS3155

**ESC11 ( )0**  
260°C Firewall (Classes KE, SE, YE), Scoop-proof recessed pins, 360° accessory teeth per MS3155

ESC10 & ESC11 also available in Hermetic square flange receptacles - See Hermetic quick ref. page XX.

ESC11 with Scoop-Proof (Recessed pins): **HTK-17**  
Standard ESC11, Class K Firewall, Scoop-proof, Variations for Euro market specifications

**HNK-17**  
Nickel finish, Class K Firewall Mating recept. has 'O' ring seal, Scoop-proof, Variations for Euro market specs

**HSK-17**  
Same as HTK, except this is a special designator for Boeing Co.

\*\* BACC63CN supersedes BACC63BT.  
See how to order pages 149-156 for complete part numbers.

Bayonet style square flange receptacles are shown on page 160.

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

# MIL-DTL-83723, Series III, Pyle®

## Jam Nut Receptacle, Threaded - Quick Reference

### MIL-DTL-83723, SERIES III JAM NUT (D-HOLE MOUNT) RECEPTACLE, THREADED COUPLING

Military: **M83723/84** with Sockets, Classes G, K

Military: **M83723/85** with Pins, Classes G, K

Commercial: **BT( )-19**  
With 'O' ring seal, Classes G, K

Comm. Special for General Electric: **BJ-19**  
With Static Dynamic Seal, Stainless Steel, but not avail. in Firewall

**BJ8-19**  
Same as BJ-17 except with Scoop-proof recessed pins

**BN-19**  
Same as BJ-17 except Electro-deposited Nickel Base

**BN8-19**  
Same as BN-17 except with Scoop-proof recessed pins

**BNK-19**  
Same as BN except Stainless Steel Firewall

Commercial ASD Designation: **EN2997 ( )7**  
Meets ASD specifications  
200°C temp. (Classes K, S, Y),  
260°C high temp. (Classes KE, SE, YE)

**NFL 54143 ( )7**

Comm.- Meet Several European Stds: **BT( )-19**  
With 'O' ring seal, Classes G, K  
Variations for Euro market specifications

**BJ( )-19**  
With Static Dynamic Seal, Classes G, K  
Variations for Euro market specifications

Commercial - Meet Society of British Aerospace Co./Rolls Royce Standards: ESC10 & ESC11 jam nut receptacles are available in Hermetic only - See Hermetic quick ref. page 145



Jam Nut (D-Hole Mount) Receptacle, Threaded

### SERVICE CLASSES\* MILITARY AND COMMERCIAL

<b>G</b>	Stainless steel, 200°C
<b>K</b>	Stainless steel, 200°C Firewall capability
<b>S</b>	Stainless steel, 200°C Firewall capability, Grounding Spring
<b>P</b>	Stainless steel, 200°C, Hermetic with Eyelet contacts
<b>Y</b>	Stainless Steel, 200°C, Hermetic with Solderwell contacts
<b>KE</b>	Stainless Steel, High Temp. (260°C) Firewall capability
<b>SE</b>	Stainless steel, High Temp. (260°C) Firewall capability, Grounding Spring
<b>YE</b>	Stainless Steel, High Temp. (260°C) Firewall capability, Hermetic with solderwell contacts

\* For Classes A, R and W (aluminum shell types) - Amphenol supplies these in their Matrix 83723 family. See the preceding section of this catalog, 83723 III Matrix.

No Boeing Designated Jam nut receptacle.  
See how to order pages 149-156 for complete part numbers.

Bayonet style jam nut receptacles are shown on page 161.

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix Pyle  
83723 III

Release Matrix  
Crimp Rear  
5015

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

### MIL-DTL-83723, SERIES III STANDARD STRAIGHT PLUG, THREADED COUPLING

Military: **M83723/86** with Sockets, Classes G, K  
 Military: **M83723/87** with Pins, Classes G, K  
 Commercial: **BT( )11**  
 Mating recept. has 'O' ring seal, Classes G, K

Comm. Special for General Electric: **BJ-11**  
 With Static Dynamic Seal, Stainless Steel, but not avail. in Firewall  
**BJ8-11**  
 Same as BJ-17 except with Scoop-proof recessed pins

**BN-11**  
 Same as BJ-17 except Electro-deposited Nickel Base  
**BN8-11**  
 Same as BN-17 except with Scoop-proof recessed pins  
**BNK-11**  
 Same as BN except Stainless Steel Firewall

No Boeing straight plug designations. No ASD or other European/ESC10 or ESC11 straight plug designations. See page 162 for Bayonet style straight plug style.

### MIL-DTL-83723, SERIES III NON-DECOUPLING PLUG (UNIQUE SELF-LOCKING CLUTCH PLATE), THREADED COUPLING

Military: **M83723/95** with Sockets, Classes G, K  
**M83723/96** with Pins, Classes G, K  
**M83723/97** with EMI Grounding spring, with Pins  
**M83723/97** with EMI Grounding spring, with Sockets

Commercial: **BT( )12**  
 Mating recept. has 'O' ring seal, Classes G, K

Comm. Special for General Electric: **BJ-12**  
 With Static Dynamic Seal, Stainless Steel, but not avail. in Firewall  
**BJ8-12**  
 Same as BJ-17 except with Scoop-proof recessed pins  
**BN-12**  
 Same as BJ-17 except Electro-deposited Nickel Base  
**BN8-12**  
 Same as BN-17 except with Scoop-proof recessed pins  
**BNK-12**  
 Same as BN except Stainless Steel Firewall

Special with Boeing Designation: **BACC63CM\*\***  
 Mating recept. has 'O' ring seal, Stainless Steel Firewall, with Boeing approved contacts, Shell modifications with 360° teeth per MS3155

Comm. Special per Boeing Co. Spec.: **BSK-12**  
 Stainless Steel Firewall qual. to Boeing, Y126 Variation - with Boeing approved contacts

\*\* BACC63CM supersedes BACC63BR.

See how to order pages 149-156 for complete part numbers.  
 No Bayonet style Non-Decoupling plug available.



Standard Straight Plug, Threaded

### SERVICE CLASSES\* MILITARY AND COMMERCIAL

<b>G</b>	Stainless steel, 200°C
<b>K</b>	Stainless steel, 200°C Firewall capability
<b>S</b>	Stainless steel, 200°C Firewall capability, Grounding Spring
<b>KE</b>	Stainless Steel, High Temp. (260°C) Firewall capability
<b>SE</b>	Stainless steel, High Temp. (260°C) Firewall capability, Grounding Spring

\* For Classes A, R and W (aluminum shell types) - Amphenol supplies these in their Matrix 83723 family. See the preceding section of this catalog, 83723 III Matrix.



### Non-Decoupling Plug, Threaded

Left - Green Insert - High Temp 260°C and 360° Accessory Teeth;  
 Right - Blue insert - 200°C and 3 Accessory Teeth

Commercial ASD Designation: **EN2997 ( )6**  
 Meets ASD specifications  
 200°C temp. (Classes K, S),  
 260°C high temp. (Classes KE, SE)

Comm.- Meet Several European Stds: **BT( )-12**  
 Mating recept. has 'O' ring seal, Classes G, K  
 Variations for Euro market specifications  
**BJ( )-12**  
 With Static Dynamic Seal, Classes G, K  
 Variations for Euro market specifications

Commercial - Meet Society of British Aerospace Co./Rolls Royce Standards: **ESC10 ( )6**  
 260°C Firewall (Classes KE, SE),  
 360° accessory teeth per MS3155  
**ESC11 ( )6**  
 260°C Firewall (Classes KE, SE),  
 Scoop-proof, 360° accessory teeth per MS3155

ESC11 with Scoop-Proof (Recessed pins): **HTK-12**  
 Standard ESC11, Class K Firewall,  
 Scoop-proof, Variations for Euro market specs  
**HNK-12**  
 Nickel finish, Class K Firewall  
 Mating recept. has Static Dynamic seal,  
 Scoop-proof, Variations for Euro market specs  
**HSK-12**  
 Same as HTK, except this is a special designator for Boeing Co.

- 38999 III
- SJT I II III
- 26482 Matrix 2
- 83723 III Pyle Matrix
- 5015 Crimp Rear Release Matrix
- 26500 Pyle
- Printed Circuit Board
- EMI Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

# MIL-DTL-83723, Series III, Pyle®

## Bayonet Plugs & Receptacles - Quick Reference

### MIL-DTL-83723, SERIES III SQUARE FLANGE RECEPTACLE, BAYONET COUPLING

Military: **M83723/71** with Sockets, Classes G, K  
 Military: **M83723/72** with Pins, Classes G, K  
 Commercial: **BY( )17**  
 With 'O' ring seal, Classes G, K



Square Flange Receptacle with Bayonet Coupling

### MIL-DTL-83723, SERIES III JAM NUT (D-HOLE MOUNT) RECEPTACLE, BAYONET COUPLING

Military: **M83723/73** with Sockets, Classes G, K  
 Military: **M83723/74** with Pins, Classes G, K  
 Commercial: **BY( )19**  
 With 'O' ring seal, Classes G, K



Jam Nut (D-Hole Mount) Receptacle with Bayonet Coupling

### MIL-DTL-83723, SERIES III STRAIGHT PLUG, BAYONET COUPLING

Military: **M83723/75** with Sockets, Classes G, K  
 Military: **M83723/76** with Pins, Classes G, K  
 Commercial: **BY( )10**  
 With 'O' ring seal, Classes G, K



Straight Plug with Bayonet Coupling

Bayonet coupling connectors are offered in Military 83723 and Commercial equivalent designations. See how to order page 149. They are not included in Boeing, GE, ASD and other European specified connectors. Shell size 28 is not available in Bayonet coupling connectors.

#### SERVICE CLASSES\* MILITARY AND COMMERCIAL

<b>G</b>	Stainless steel, 200°C
<b>K</b>	Stainless steel, 200°C Firewall capability

\* For Classes A, R and W (aluminum shell types) - Amphenol supplies these in their Matrix 83723 family. See the preceding section of this catalog, 83723 III Matrix.

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix  
Pyle  
83723 III

Crimp Rear Release Matrix  
5015

26500 Pyle

Printed Circuit Board

EMI Filter Transient

Fiber Optics

High Speed Contacts

Options Others

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

**MIL-DTL-83723, SERIES III  
HERMETIC SQUARE FLANGE RECEPTACLE,  
THREADED COUPLING**

Military: **M83723/88Y**  
Stainless Steel, Class Y,  
Solderwell contacts

Military: **M83723/88P**  
Stainless Steel, Class P,  
Eyelet contacts

Commercial: **BTY-17**  
Stainless Steel, 'O' ring Seal,  
Solderwell or Eyelet contacts,  
200°C or 260°C

**BFY-17**  
Stainless Steel, Static Dynamic  
Seal, Solderwell or Eyelet contacts,  
200°C or 260°C

**BNY-17**  
Stainless Steel, Static Dynamic  
Seal, Electro-deposited Nickel, Solderwell or Eyelet contacts,  
200°C or 260°C

Commercial  
ASD Designation: **EN2997Y0 / YE0**  
Meets ASD Specifications, Stainless Steel,  
Class Y (200°C) / Class YE (260°C), Solderwell contacts

Commercial - Meet  
Society of British  
Aerospace Co./Rolls  
Royce Standards: **ESC10YE2**  
260°C Firewall, Stainless Steel, Class YE, Solderwell contacts

**ESC11YE2**  
260°C Firewall, Stainless Steel, Class YE, Solderwell contacts,  
Scoop-proof Recessed pins



**Hermetic  
Square Flange  
Receptacle,  
Threaded**

**SERVICE CLASSES  
HERMETIC  
MILITARY AND COMMERCIAL**

<b>Y</b>	Stainless Steel, 200°C, Hermetic with solderwell contacts
<b>P</b>	Stainless steel, 200°C, Hermetic with eyelet contacts
<b>YE</b>	Stainless Steel, High Temp. (260°C) Firewall capability, Hermetic with solderwell contacts

**MIL-DTL-83723, SERIES III  
HERMETIC JAM NUT RECEPTACLE, THREADED COUPLING**

Military: **M83723/89Y**  
Stainless Steel, Class Y, Solderwell contacts

Military: **M83723/89P**  
Stainless Steel, Class Y, Eyelet contacts

Commercial: **BTY-19**  
Stainless Steel, 'O' ring Seal, Solderwell or Eyelet contacts, 200°C or 260°C

**BFY-19**  
Stainless Steel, Static Dynamic Seal, Solderwell or Eyelet contacts, 200°C or 260°C

**BNY-19**  
Stainless Steel, Static Dynamic Seal, Electro-deposited Nickel, Solderwell or Eyelet contacts, 200°C or 260°C

Commercial  
ASD Designation: **EN2997Y7 / YE7**  
Meets ASD Specifications, Stainless Steel,  
Class Y (200°C) / Class YE (260°C), Solderwell contacts

Commercial - Meet  
Society of British  
Aerospace Co./Rolls  
Royce Standards: **ESC10YE3**  
260°C Firewall, Stainless Steel, Class YE, Solderwell contacts

**ESC11YE3**  
260°C Firewall, Stainless Steel, Class YE, Solderwell contacts,  
Scoop-proof Recessed pins



**Hermetic  
Jam Nut  
Receptacle,  
Threaded**

Commercial BTY, BFY and BNY meet European specifications and General Electric spec. GEM50TF3564, Classes A & B.

Shell sizes 20, 24 and 28, consult Amphenol Aerospace for availability. Hermetic style receptacles are not included in Boeing designations.



# MIL-DTL-83723, Series III, Pyle®

## Hermetic Receptacles, cont. - Quick Reference



### MIL-DTL-83723, SERIES III HERMETIC SOLDER MOUNT/WELD MOUNT RECEPTACLE, THREADED COUPLING

**Military:** **M83723/90Y**  
Stainless Steel, Class Y, Solderwell contacts

**Military:** **M83723/90P**  
Stainless Steel, Class P, Eyelet contacts

**Commercial:** **BTY-14**  
Stainless Steel, 'O' ring Seal, Solderwell or Eyelet contacts, 200°C or 260°C

**BFY-14**  
Stainless Steel, Static Dynamic Seal, Solderwell or Eyelet contacts, 200°C or 260°C

**BNY-14**  
Stainless Steel, Static Dynamic Seal, Electro-deposited Nickel, Solderwell or Eyelet contacts, 200°C or 260°C

**Commercial**  
ASD Designation: **EN2997Y1 / YE1**  
Meets ASD Specifications, Stainless Steel, Class Y (200°C) / Class YE (260°C), Solderwell contacts

**Commercial - Meet**  
Society of British Aerospace Co./Rolls  
Royce Standards: **ESC10YE1**  
260°C Firewall, Stainless Steel, Class YE, Solderwell contacts  
**ESC11YE1**  
260°C Firewall, Stainless Steel, Class YE, Solderwell contacts, Scoop-proof Recessed pins



Hermetic Solder Mount/Weld Mount Receptacle, Threaded

### SERVICE CLASSES HERMETIC MILITARY AND COMMERCIAL

<b>Y</b>	Stainless Steel, 200°C, Hermetic with solderwell contacts
<b>P</b>	Stainless steel, 200°C, Hermetic with eyelet contacts
<b>YE</b>	Stainless Steel, High Temp. (260°C) Firewall capability, Hermetic with solderwell contacts

Commercial BTY, BFY and BNY meet European specifications and General Electric spec. GEM50TF3564, Classes A & B.

Shell sizes 20, 24 and 28, consult Amphenol Aerospace for availability. Hermetic style receptacles are not included in Boeing designations.

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix  
Pyle  
83723 III

Release Matrix  
Crimp Rear  
5015

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

**INSERT ARRANGEMENTS**

Shell Size/ Insert Arrangement	Service Rating	Total Contacts	Contact Size			
			8	12	16	20
08-03	I	3				3
08-98	I	3				3
10-02**	I	2				2
10-05	I	5				5
10-06	I	6				6
10-20	I	2			2	
12-03***	I	3			3	
12-12	I	12				12
14-04***	I	4		4		
14-07***	I	7			7	
14-12	I	12			3	9
14-15	I	15				15
16-10***	I	10			10	
16-24	I	24				24
18-08	I	8		8		
18-14***	I	14			14	
18-31	I	31				31
20-16***	I	16			16	
20-25	I	25		6		19
20-28**	I	28		4		24
20-39	I	39			2	37
20-41	I	41				41
22-12**	I	12		12		
22-19***	I	19			19	
22-27	I	27			27	
22-32**	I	32		6		26
22-39**	I	39			12	27
22-55	I	55				55
24-19†♦	I	19		19		
24-30†***	I	30			30	
24-43**	I	43			20	23
24-46†♦♦	I	46	2 Twinax		4	40
24-57	I	57		2		55
24-61	I	61				61
28-41†	I	41			41	
28-42†***	I	42			42	
28-91†*	I	91				91

† Not an MS layout.

\* Special - consult Amphenol for availability.

\*\* Special Pyle with Matrix 83723 insert (ESC10 type, EN2997 Spec); consult Amphenol for availability.

\*\*\*Boeing Qualified Arrangements (See Boeing How to Order page 151)

♦ 24-19 is a special ground plane insert with purchased size 12 Coax contacts; consult Amphenol for information.

♦♦ 24-46 is a special insert that accommodates size 8 twinax contacts with ground spring.

Size 8 and Size 12 cavities can accommodate Twinax or Coax contacts; consult Amphenol for information.

Sizes 20, 24 and 28 Hermetic; consult Amphenol for availability.

Size 28 not available in Bayonet style.

**ALTERNATE KEYING POSITIONS  
(Rotation of key/keyway of shell)**

To avoid cross-plugging problems in applications requiring the use of more than one connector of the same size and arrangement, alternate keying positions are available as indicated in the chart below. The diagram shows the engaging view of a receptacle shell with keyways. The insert is rotated counter-clockwise relative to the center-line. Plug shells would be the opposite of this diagram.

In the "Normal insert position" (position N), the insert center line coincides with the center-line of the master key/keyway of the shell. In the "alternate keying positions" (positions 6, 7, 8, 9 and Y), the minor keys/keyways are positioned with reference to master key/keyway as indicated in the keying position table.



Shown is Engaging Face View of Receptacle Shell with Keyways (Plug Shell Keys would be Opposite)

**ALTERNATE KEYING POSITIONS OF SHELL**

Shell Size	Polarizing Position	Key/Keyway Positions			
		A°	B°	C°	D°
8 thru 24	N	105	140	215	265
	6	102	132	248	320
8 & 10	7	80	118	230	312
	8	35	140	205	275
	9	64	155	234	304
	Y††	25	115	220	270
12, 14, 16, 18, 20, 22, 24 and 28	6	18	149	192	259
	7	92	152	222	342
	8	84	152	204	334
	9	24	135	199	240
	Y††	98	152	268	338

**ESC 11 (HTK SERIES) ONLY**

Shell Size	Polarizing Position	Key/Keyway Positions			
		A°	B°	C°	D°
14 thru 24	N	95	145	220	255
	6	101	168	211	342
	7	18	138	208	268
	8	26	156	208	276
	9	120	161	225	336

†† Position Y supersedes inactive positions 10 and Z designations. Ref. MIL-STD-1554.

For ordering information on accessories, such as protection caps and backshell hardware, contact Amphenol Aerospace, Sidney, NY.

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

# MIL-DTL-83723, Series III, Pyle®

## Insert Arrangements



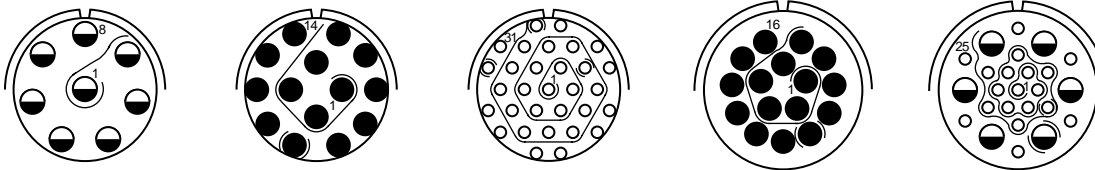
front face of pin insert or rear face of socket insert illustrated



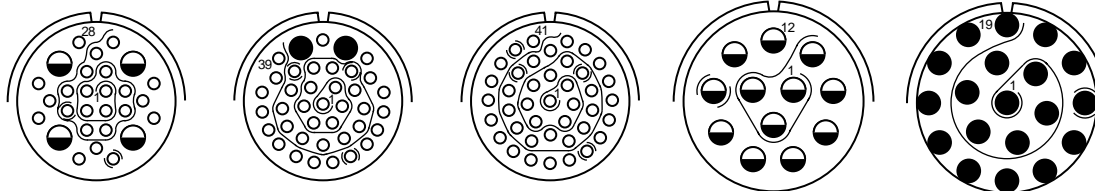
Insert Arrangement	08-03	08-98	10-02**	10-05	10-06	10-20	12-03***	12-12
Service Rating	I	I	I	I	I	I	I	I
Number of Contacts	3	3	2	5	6	2	3	12
Contact Size	20	20	20	20	20	16	16	20



Insert Arrangement	14-04***	14-07***	14-12		14-15	16-10***	16-24
Service Rating	I	I	I	I	I	I	I
Number of Contacts	4	7	9	3	15	10	24
Contact Size	12	16	20	16	20	16	20



Insert Arrangement	18-08	18-14***	18-31	20-16***	20-25
Service Rating	I	I	I	I	I
Number of Contacts	8	14	31	16	19 6
Contact Size	12	16	20	16	20 12



Insert Arrangement	20-28**		20-39		20-41	22-12**	22-19***
Service Rating	I	I	I	I	I	I	I
Number of Contacts	24	4	37	2	41	12	19
Contact Size	20	12	20	16	20	12	16

† Not an MS layout.

\* Special - consult Amphenol for availability.

\*\* Special Pyle with Matrix 83723 insert (ESC10 type, EN2997 Spec); consult Amphenol for availability.

\*\*\*Boeing Qualified Arrangements (See Boeing How to Order page 151)

Size 8 and Size 12 cavities can accommodate Twinax or Coax contacts; consult Amphenol for information.

Sizes 20, 24 and 28 Hermetic; consult Amphenol for availability.

Size 28 not available in Bayonet style.



III  
II  
I  
SJT  
38999

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	22-27	22-32**		22-39**		22-55	24-19†
Service Rating	I	I		I		I	I
Number of Contacts	27	26	6	27	12	55	19
Contact Size	16	20	12	20	16	20	12



Insert Arrangement	24-30†***	24-43**		24-46†♦♦			24-57	24-61	
Service Rating	I	I		I			I	I	
Number of Contacts	30	23	20	40	4	2	55	2	61
Contact Size	16	20	16	20	16	8 Twinax	20	12	20



Insert Arrangement	28-41†	28-42†***	28-91†*
Service Rating	I	I	I
Number of Contacts	41	42	91
Contact Size	16	16	20

† Not an MS layout.

\* Special - consult Amphenol for availability.

\*\* Special Pyle with Matrix 83723 insert (ESC10 type, EN2997 Spec); consult Amphenol for availability.

\*\*\*Boeing Qualified Arrangements (See Boeing How to Order page 151)

♦ 24-19 is a special ground plane insert with purchased size 12 Coax contacts; consult Amphenol for information.

♦♦ 24-46 is a special insert that accommodates size 8 twinax contacts with ground spring.

Size 8 and Size 12 cavities can accommodate Twinax or Coax contacts; consult Amphenol for information.

Sizes 20, 24 and 28 Hermetic; consult Amphenol for availability.

Size 28 not available in Bayonet style.

CONTACT LEGEND



38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

# MIL-DTL-83723, Series III, Pyle®

## How to Order – Military or Commercial Designation



	1.	2.	3.	4.	5.
MIL-DTL-83723, Series III	Connector Type	Connector Style and Contact Type (Crimp)	Service Class	Shell Size/ Insert Arrangement	Alternate Keying Position of Shell
<b>MILITARY</b>	<b>M83723</b>	<b>/82</b>	<b>G</b>	<b>16-24</b>	<b>6</b>

	1.	2.	3.	4.	5.	6.	7.	8.
Amphenol® Pyle® MIL-DTL-83723, Series III	Connector Style	Service Class	Shell Style	Shell Size/ Insert Arrangement	Contact Type	Alternate Contact Finish or Without Contacts	Alternate Keying Position of Shell	Variations
<b>COMMERCIAL</b>	<b>BT</b>	<b>G</b>	<b>-17</b>	<b>16-24</b>	<b>S</b>	<b>D</b>	<b>06</b>	<b>XXX</b>

### Step 1. Military Connector Type

<b>M83723</b>	<b>Designates MIL-DTL-83723 Series III Connectors</b>
---------------	---

### Step 2. Select a Connector Style

(Refer to military specification slash sheet number).  
(How to Order Hermetic Styles is provided on page 156).

	Designates
<b>/71</b>	Bayonet, Square Flange Receptacle, with sockets
<b>/72</b>	Bayonet, Square Flange Receptacle, with pins
<b>/73</b>	Bayonet, Jam Nut (D-Hole Mount) Recept., with sockets
<b>/74</b>	Bayonet, Jam Nut (D-Hole Mount) Recept., with pins
<b>/75</b>	Bayonet, Straight Plug, with sockets
<b>/76</b>	Bayonet, Straight Plug, with pins
<b>/82</b>	Threaded, Square Flange Receptacle, with sockets
<b>/83</b>	Threaded, Square Flange Receptacle, with pins
<b>/84</b>	Threaded, Jam Nut (D-Hole Mount) Recept., with sockets
<b>/85</b>	Threaded, Jam Nut (D-Hole Mount) Recept., with pins
<b>/86</b>	Threaded, Straight Plug, with sockets
<b>/87</b>	Threaded, Straight Plug, with pins
<b>/95</b>	Threaded, Non-Decoupling Plug, with sockets
<b>/96</b>	Threaded, Non-Decoupling Plug, with pins
<b>/97</b>	Threaded, Non-Decoupling Plug, with EMI Grounding spring, with sockets
<b>/98</b>	Threaded, Non-Decoupling Plug, with EMI Grounding spring, with pins

### Step 3. Select a Service Class

	Designates
<b>G</b>	Stainless Steel
<b>K</b>	Stainless Steel Firewall

Note: See Matrix 83723 styles for aluminum classes A, R and W.

### Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 146. (except size 28 is not available in Bayonet Style)

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement

### Step 5. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 146 for descriptions.

### Step 1. Select a Commercial Connector Style Designed to be Equivalent to M83723, Series III

	Designates
<b>BT</b>	Threaded with 'O' ring seal in receptacle
<b>BY</b>	Bayonet with 'O' ring seal in receptacle

(How to Order Hermetic Styles is provided on page 156).

### Step 2. Select a Service Class

	Designates
<b>G</b>	Stainless steel
<b>K</b>	Stainless steel Firewall

Note: See Matrix 83723 styles for aluminum classes A, R and W.

### Step 3. Select a Shell Style

	Designates
<b>-10</b>	Straight Plug, Bayonet coupling only
<b>-11</b>	Straight Plug, Threaded coupling only
<b>-12</b>	Non-Decoupling Plug, Threaded coupling only
<b>-17</b>	Square Flange Receptacle
<b>-19</b>	Jam Nut (D-Hole Mount) Receptacle

### Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 146. (except size 28 is not available in Bayonet Style)

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement.

### Step 5. Select a Contact Type (Crimp)

	Designates
<b>P</b>	Pin Contacts
<b>S</b>	Socket Contacts

### Step 6. Alternate Contact Finish or without Contacts

	Designates
<b>D</b>	Gold per SAE AS39029*
<b>E</b>	Without contacts

### Step 7. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 06, 07, 08, 09 or Y for alternate keying positions. See page 146 for descriptions.

### Step 8. Variations

Consult Amphenol Aerospace, Sidney, NY for information.

\*supersedes MIL-C-39029

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix  
Pyle  
83723 III

Crimp Rear  
Release Matrix  
5015

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

Amphenol® Pyle®  
MIL-DTL-83723, Series III  
**PYLE COMMERCIAL  
DESIGNED TO MEET  
G. E. SPECIFICATIONS**

1.	2.	3.	4.	5.	6.	7.	8.
Connector Type	Shell Style	Shell Modification (Accessory Teeth)	Shell Size/ Insert Arrangement	Contact Type	Alternate Contact Finish or Without Contacts	Alternate Keying Position of Shell	Variations
<b>BJ</b>	<b>-17</b>	<b>E</b>	<b>16-24</b>	<b>S</b>	<b>D</b>	<b>06</b>	<b>XXXX</b>

**Step 1. Select a Commercial Connector Type  
Designed to Meet General Electric Specifications**

	Designates
<b>BJ</b>	Threaded, Stainless Steel, Static/Dynamic Seal in receptacle
<b>BJ8</b>	Same as BJ except with Scoop-Proof Recessed pins
<b>BN</b>	Same as BJ except Electro-deposited Nickel Plated
<b>BN8</b>	Same as BN except with Scoop-Proof Recessed pins
<b>BNK</b>	Same as BN except Stainless Steel Firewall

**Step 2. Select a Shell Style**

	Designates
<b>-10</b>	Bayonet Plug
<b>-11</b>	Threaded Straight Plug
<b>-12</b>	Threaded Non-Decoupling Plug
<b>-17</b>	Square Flange Receptacle
<b>-19</b>	Jam Nut (D-Hole Mount) Receptacle

**Step 3. Select a Shell Modification**

	Designates
<b>E</b>	360° Accessory Teeth per MS3155 Plug and Receptacle
<b>F</b>	360° Accessory Teeth per MS3155, EMI Grounding Spring on Plug only
<b>G</b>	3 Accessory Teeth, EMI Grounding Spring on Plug only

**Step 4. Select a Shell Size & Insert  
Arrangement from chart on pg. 146.**

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement.

**Step 5. Select a Contact Type (Crimp)**

	Designates
<b>P</b>	Pin Contacts
<b>K</b>	#20 Pins with #18 crimpwell
<b>S</b>	Socket Contacts
<b>L</b>	#20 Sockets with #18 crimpwell

**Step 6. Alternate Contact Finish or without  
Contacts**

	Designates
<b>D</b>	Gold per SAE AS39029*
<b>E</b>	Without contacts

**Step 7. Select an Alternate Keying Position -  
Rotation of master key/keyway of shell.**

Use N for normal. Use 06, 07, 08, 09 or Y for alternate keying positions. See page 146 for descriptions.

**Step 8. Variations (Primarily Designed for  
General Electric)**

	Designates
<b>Y176</b>	260°C per G.E. M50TF3564, Class B, No Accessory Teeth
<b>Y185</b>	Older style with 200°C Capability - European market (Superseded by Y163)
<b>Y186</b>	260°C Capability per G. E. M50TF3564 Class B**
<b>Y188</b>	200°C Capability per G. E. M50TF3564 Class A**

Another variation available with molding groove for potting - consult Amphenol Aerospace for ordering information.

\* supersedes MIL-C-39029

\*\* Also see Hermetic styles that meet G.E. specification M50TF3564, Classes A & B on page 156.

# MIL-DTL-83723, Series III, Pyle®



How to Order – Boeing Designation (BACC63CM/CN\*)

or Pyle Commercial Equivalent

	1.	2.	3.	4.	5.	6.	7.	8.
MIL-DTL-83723, Series III	Connector Type	Shell Style	Boeing Spec. Qualified Shell Size	Shell Modification (Accessory Teeth)	Boeing Spec. Qualified Insert Arrangement	Contact Style	Alternate Keying Position of Shell	With Contacts Option
<b>BOEING CO. DESIGNATION</b>	BACC63	CM	18	B	14	P	8	A

	1.	3.	4.	5.	6.	7.	8.	
Amphenol® Pyle® MIL-DTL-83723, Series III	Connector Type	Shell Style	Shell Modification (Accessory Teeth)	Shell Size/ Insert Arrangement	Contact Type	Alternate Contact Finish or Without Contacts	Alternate Keying Position of Shell	Variation
<b>PYLE COMMERCIAL EQUIV. TO BOEING BACC63CM/CN</b>	BSK	-12	E	18-14	P	D	08	XXX

## Step 1. Boeing Co. Designation

<b>BACC63</b>	Designates MIL-DTL-83723 Series III Boeing Designation BACC63CM/CN** Firewall Connectors
---------------	--

(Refer to military specification slash sheet number.)

\*\* BACC63CM/CN supersedes BACC63BR/BT

## Step 2. Select a Connector Type

	Designates
<b>CM</b>	Threaded, Non-Decoupling Plug Stainless Steel Firewall
<b>CN</b>	Threaded, Square Flange Receptacle, Stainless Steel Firewall

## Step 3. Select a Boeing Specification Qualified Shell Size

12, 14, 16, 18, 20, 22, 24, 28

## Step 4. Select a Shell Modification

	Designates
<b>-</b>	Accessory Teeth per MIL-DTL-83723, Series III (normally 3 teeth)
<b>B</b>	360° Accessory Teeth per MS3155 Plug and Receptacle
<b>D</b>	360° Accessory Teeth per MS3155, EMI Grounding Spring on Plug only

## Step 5. Select a Boeing Specification Qualified Insert Arrangement

12-03, 14-04, 14-07, 16-10, 18-14, 20-16, 22-19, 24-30, 28-42 (these incorporate Boeing approved contacts)

## Step 6. Select a Contact Type (Crimp)

	Designates
<b>P</b>	Pin Contacts, Gold plate per SAE AS39029*
<b>S</b>	Socket Contacts, Gold plate per SAE AS39029*

## Step 7. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 146 for descriptions.

## Step 8. With Contacts Option

	Designates
<b>A</b>	With Contacts and Sealing Plugs (Letter 'A' to be used on purchase orders only, and will not appear on connector as part of connector part number.)
	Leave blank without contacts and sealing plugs

\*supersedes MIL-C-39029

## Step 1. Commercial Connector Type Designed to be Equivalent to Boeing BACC63

	Designates
<b>BSK</b>	Threaded with 'O' ring seal in receptacle

## Step 2. Select a Shell Style

	Designates
<b>-12</b>	Threaded, Non-Decoupling Plug Stainless Steel Firewall
<b>-17</b>	Threaded, Square Flange Receptacle, Stainless Steel Firewall

## Step 3. Select a Shell Modification

No designation needed for shells with accessory teeth per MIL-DTL-83723, Series III (normally 3 teeth).

	Designates
<b>E</b>	360° Accessory Teeth per MS3155 Plug and Receptacle
<b>F</b>	360° Accessory Teeth per MS3155, EMI Grounding Spring on Plug only

## Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 146.

Shell Sizes 12, 14, 18, 20, 24, 28 are available. Insert Arrangements for these size shells are given on page 146. Shell size and insert arrangement are written together. First number represents Shell Size, second number is the Insert Arrangement.

## Step 5. Select a Contact Type (Crimp)

	Designates
<b>P</b>	Pin Contacts
<b>S</b>	Socket Contacts

## Step 6. Alternate Contact Finish or without Contacts

	Designates
<b>D</b>	Gold per SAE AS39029*
<b>E</b>	Without contacts and sealing plugs

## Step 7. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Omit for N for normal. Use 06, 07, 08, 09 or Y for alternate keying positions. See page 146 for descriptions.

## Step 8. Variation

	Designates
<b>Y126</b>	Contact Marking per MIL-DTL-83723/33 & /34 (Required with BACC63CM/CN Series)

No variation suffix - connector will incorporate Mil-Spec AS39020 contacts

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix Pyle  
83723 III

Release Matrix  
Crimp Rear  
5015

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

	1.	2.	3.	4.	5.	6.
MIL-DTL-83723, Series III ASD DESIGNATION	Connector Type	Service Class	Shell Style	Shell Size/Insert Arrangement	Contact Style	Alternate Keying Position of Shell
	EN2997	KE	6	16-24	F	6

**Step 1. Select an ASD Designated/European Standards Connector Type**

	Designates
EN2997	ASD Designation

Note: ASD supersedes AECMA Designation

**Step 2. Select a Service Class**

	Designates Standard Temperature Class
K	Threaded, Stainless Steel, 200°C
S	Threaded, Stainless Steel, EMI Grounding Spring on Plug, 200°C
Y	Stainless Steel Hermetic with Solderwell Contacts, 200°C
	Designates High Temperature Class
KE	Threaded, Stainless Steel Firewall, 260°C
SE	Threaded, Stainless Steel, EMI Grounding Spring on Plug, 260°C
YE	Stainless Steel Hermetic with Solderwell Contacts, 260°C

**Step 3. Select a Shell Style**

	Designates
0	Threaded, Square Flange Receptacle
1	Threaded, Solder Mount Receptacle, Hermetic only
6	Threaded Non-Decoupling Plug
7	Threaded Jam Nut (D-Hole Mount) Receptacle

**Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 146.**

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement.

**Step 5. Select a Contact Type (Crimp)**

	Designates
M	Standard Pin Contacts
C	#20 Pins with #18 crimpwell
A	Pin Insert less Contacts
F	Standard Socket Contacts
D	#20 Sockets with #18 crimpwell
B	Socket Insert less Contacts

**Step 6. Select an Alternate Keying Position - Rotation of master key/keyway of shell.**

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 146 for descriptions.



Amphenol® Pyle®  
MIL-DTL-83723,  
Series III  
**PYLE COMMERCIAL  
DESIGNED TO MEET  
ASD & EUROPEAN  
STDS.**

1.	2.	3.	4.	5.	6.	7.	8.	9.
Connector Type	Service Class	Shell Style	Shell Modification (Accessory Teeth)	Shell Size/ Insert Arrangement	Contact Type	Alternate Contact Finish or Without Contacts	Alternate Keying Pos. of Shell	Variations
BT	G	-12	E	18-14	P	D	08	XXX

#### Step 1. Select a Commercial Connector Type Designed to Meet ASD/European Standards

	Designates
BT	Threaded with 'O' ring seal in receptacle
BJ	Threaded, Stainless Steel, Static/Dynamic Seal in receptacle

#### Step 2. Select a Service Class

	Designates
G	Stainless steel
K	Stainless steel Firewall

#### Step 3. Select a Shell Style

	Designates
-12	Threaded, Non-Decoupling Plug
-17	Threaded, Square Flange Receptacle
-19	Threaded, Jam Nut (D-Hole Mount) Receptacle

#### Step 4. Select a Shell Modification

No designation needed for shells with accessory teeth per MIL-DTL-83723, Series III (normally 3 teeth).

	Designates
E	360° Accessory Teeth per MS3155 Plug and Receptacle
F	360° Accessory Teeth per MS3155, EMI Grounding Spring on Plug only

#### Step 5. Select a Shell Size & Insert Arrangement from chart on pg. 146.

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement.

#### Step 6. Select a Contact Type (Crimp)

	Designates
P	Pin Contacts
S	Socket Contacts

#### Step 7. Alt. Contact Finish or without Contacts

	Designates
D	Gold per SAE AS39029*
E	Without contacts

#### Step 8. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 06, 07, 08, 09 or Y for alternate keying positions. See page 146 for descriptions.

#### Step 9. Variations (Designed for Meeting European Specifications)

	Designates
Y144	260°C Capability (Euro Market)
Y163	200°C Capability (Euro Market)
Y175	Older designation superseded by Y144

\*supersedes MIL-C-39029

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix  
Pyle  
83723 III

Crimp Rear  
Release Matrix  
5015

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

MIL-DTL-83723,  
Series III

MEETS SOCIETY OF BRITISH  
AEROSPACE CO./  
ROLLS ROYCE STANDARDS

1.	2.	3.	4.	5.	6.	7.
Connector Type	Service Class	Shell Style	Shell Size/ Insert Arrangement	Contact Type	Alternate Keying Position of Shell	Variations
ESC10	KE	0	16-24	S	6	X

**Step 1.** Select a Connector Type that Meets European Specifications for Society of British Aerospace Co./Rolls Royce Standards

	Designates
ESC10	Threaded, Basic High Temperature Connector, 260°C Firewall
ESC11	Threaded, High Temperature Connector (260°C Firewall) with 100% Scoop-Proof Recessed Pins

**Step 2.** Select a Service Class

	Designates High Temperature Class
KE	Threaded, Stainless Steel Firewall, 260°C
SE	Threaded, Stainless Steel, EMI Grounding Spring on Plug, 260°C
YE	Threaded, Stainless Steel Hermetic with Solderwell Contacts, 260°C

**Step 3.** Select a Shell Style

	Designates
0	Threaded, Square Flange Receptacle with 360° Accessory Teeth per MS3155
1	Threaded, Hermetic Solder Mount Receptacle
2	Threaded, Hermetic Square Flange Receptacle
3	Threaded, Hermetic Jam Nut (D-Hole Mount) Receptacle
6	Threaded, Non-Decoupling Plug with 360° Accessory Teeth per MS3155

**Step 4.** Select a Shell Size & Insert Arrangement from chart on pg. 146.

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement.

**Step 5.** Select a Contact Type (Crimp)

	Designates
P	Pin Contacts
S	Socket Contacts

All connectors are supplied without contacts except Shell Styles 1, 2 and 3

**Step 7.** Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 146 for descriptions.

**Step 8.** Variations

	Designates
O (Alpha)	Basic Connector, no Variations
A	Lockwire Holes on Plug

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

- III 38999
- II 26482 Matrix 2
- I 83723 III Matrix Pyle
- SJT
- 5015 Crimp Rear Release Matrix
- 26500 Pyle
- Printed Circuit Board
- EMI Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

	1.	2.	3.	4.	5.	6.	7.
MIL-DTL-83723, Series III COMMERCIAL	Connector Type <b>HTK</b>	Shell Style <b>12</b>	Shell Size/Insert Arrangement <b>16-24</b>	Contact Type <b>S</b>	Contact Finish <b>D</b>	Alternate Keying Position of Shell <b>06</b>	Variations <b>XXXX</b>

### Step 1. Select a Commercial Connector Type Equivalent to ESC11 European Specifications

	Designates
<b>HTK</b>	Threaded, Basic ESC-11, Class K (Choice of temperature rating 260° or 200° is in the Variations for this part number).
<b>HNK</b>	Same as HTK except Electroless Nickel Plated
<b>HSK</b>	Same as HTK, except this is a special designator for Boeing Company

### Step 2. Select a Shell Style

	Designates
<b>-12</b>	Threaded Non-Decoupling Plug with 100% Scoop-Proof Recessed Pins
<b>-17</b>	Square Flange Receptacle with 100% Scoop-Proof Recessed Pins

### Step 3. Select a Shell Size & Insert Arrangement.

Shell Sizes 12, 14, 18, 20, 24, 28 are available. Insert Arrangements for these size shells are given on page 146. Shell size and insert arrangement are written together. First number represents Shell Size, second number is the Insert Arrangement.

### Step 4. Select a Contact Type (Crimp)

	Designates
<b>P</b>	Pin Contacts
<b>S</b>	Socket Contacts

### Step 5. Select a Contact Finish or without Contacts

	Designates
<b>D</b>	Gold per AS39029*
<b>E</b>	Socket Contacts

Special High Temperature Contacts are another option - consult Amphenol Aerospace for ordering information.

### Step 6. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 06, 07, 08, 09 or Y for alternate keying positions. See page 146 for descriptions.

### Step 7. Variations

	Designates
<b>Y144</b>	260°C
<b>Y163</b>	200°C

\*supersedes MIL-C-39029

- 38999 MIL-DTL-83723, Series III
- SJT I II III
- 26482 Matrix 2
- 83723 III Pyle
- Matrix
- 5015 Crimp Rear Release Matrix
- 26500 Pyle
- Printed Circuit Board
- EMI Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

	1.	2.	3.	4.	5.
MIL-DTL-83723, Series III MILITARY HERMETIC	Connector Type	Connector Style and Contact Type (Crimp)	Service Class	Shell Size/ Insert Arrangement	Alternate Keying Position of Shell
	M83723	/88	y	16-24	6

	1.	2.	3.	4.	5.	6.	7.	8.
Amphenol® Pyle® MIL-DTL-83723, Series III COMMERCIAL HERMETIC	Connector Style	Shell Style	Shell Size/ Insert Arrangement	Contact Type	Contact Style	Alternate Contact Finish	Alternate Keying Position of Shell	Variations
	BTY	-17	16-24	S	1	D	06	XXXX

#### Step 1. Military Connector Type

<b>M83723</b>	<b>Designates MIL-DTL-83723 Series III Connectors</b>
---------------	---

#### Step 2. Select a Military Hermetic Connector Style

(Refer to military specification slash sheet number.)

	Designates
<b>/88</b>	Hermetic, Threaded Square Flange Receptacle
<b>/89</b>	Hermetic, Threaded Jam Nut (D-Hole Mount) Receptacle
<b>/90</b>	Hermetic, Threaded Solder Mounted Receptacle

#### Step 3. Select a Service Class

	Designates
<b>Y</b>	Hermetic, Stainless Steel, 200°C, with Solderwell Contacts
<b>P</b>	Hermetic, Stainless Steel, 200°C, with Eyelet Contacts

For availability of a Plated Steel Shell, consult Amphenol Aerospace.

#### Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 146. (except sizes 24 and 28 are not available in Hermetic Styles.)

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement

#### Step 5. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 146 for descriptions.

#### Step 1. Select a Commercial Hermetic Connector Style

	Designates
<b>BTY</b>	Hermetic, Threaded, Stainless Steel, with 'O' ring seal
<b>BFY</b>	Hermetic, Threaded, Stainless Steel, with Static/Dynamic Seal
<b>BNY</b>	Hermetic, Threaded, Stainless Steel, Electro-deposited Nickel plated, with Static/Dynamic Seal

#### Step 2. Select a Shell Style

	Designates
<b>-17</b>	Square Flange Receptacle
<b>-19</b>	Jam Nut (D-Hole Mount) Receptacle
<b>-14</b>	Solder Mounted Receptacle

#### Step 3. Select a Shell Size & Insert Arrangement from chart on pg. 146. (except sizes 24 and 28 are not available in Hermetic Styles).

Shell Size & Insert Arrangements are on page 146. First number represents Shell Size, second number is the Insert Arrangement

#### Step 4. Select a Contact Type (Crimp)

	Designates
<b>P</b>	Pin Contacts

#### Step 5. Select a Contact Style

	Designates
<b>1</b>	Solderwell Contacts (Mil-Spec Type)
<b>4</b>	Eyelet Contacts

#### Step 6. Alternate Contact Finish

	Designates
<b>D</b>	.000050 (per MIL-DTL-83723, III) Gold
<b>V</b>	.000100 Gold

#### Step 7. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

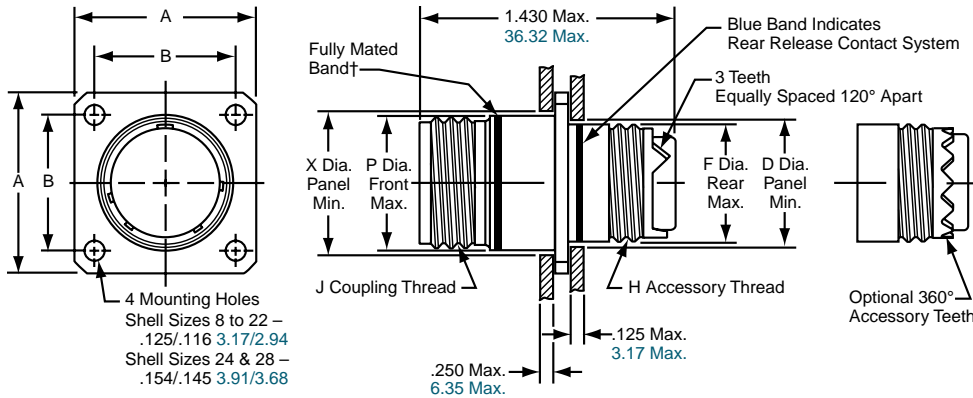
Omit for normal. Use 06, 07, 08, 09 or Y for alternate keying positions. See page 146 for descriptions.

#### Step 8. Variations

	Designates
<b>Y144</b>	260°C Capability (Euro Market)
<b>Y163</b>	200°C Capability (Euro Market)
<b>Y186</b>	260°C Capability per G.E. M50TF3564, Class B
<b>Y188</b>	200°C Capability per G.E. M50TF3564, Class A

# MIL-DTL-83723, Series III, Pyle®

## Square Flange Receptacle, Threaded Coupling



### PART #

**M83723/82 / M83723/83**  
**BT ( )-17**  
**BJ/BJ8/BN/BN8/BNK-17**  
**BACC63CN**  
**BSK-17**  
**EN2997( )**  
**BT ( )/BJ ( )-17**  
**ESC10( )**  
**ESC11( )**  
**HTK/HNK/HSK-17**

† When fully mated with plug this band will be covered.  
 (Band is red on military types; can be red or blue on commercial types).

See Quick Reference page 140 for the variety of ordering options for square flange receptacles with threaded coupling.

The How to Order pages (149-156) give complete part number breakdowns.

Inches

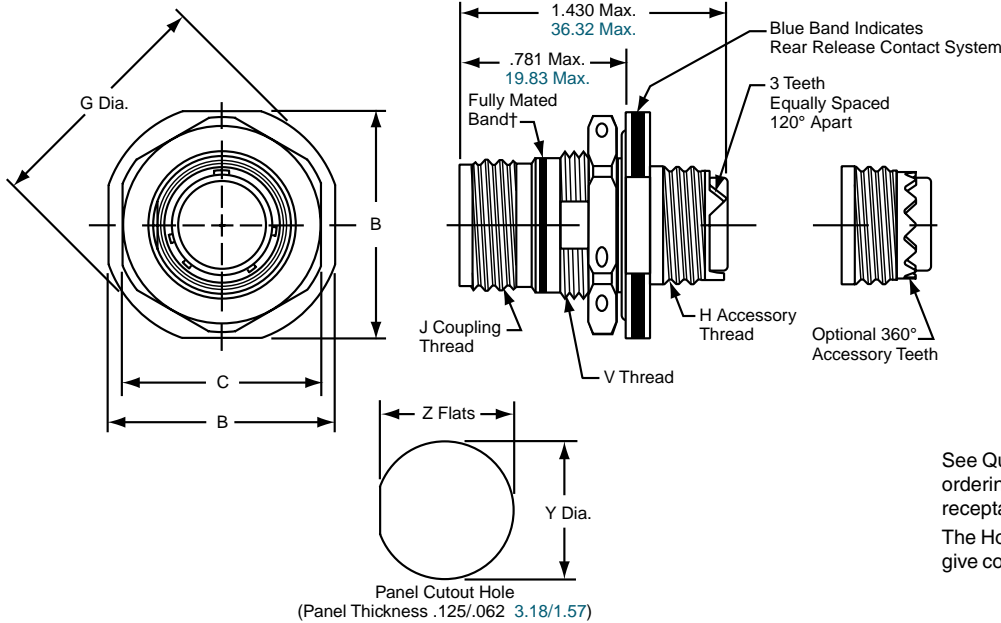
Shell Size	A ±.005	B ±.005	D Dia. Panel Min.	F Dia. Rear Max.	H Accessory Thread Class 2A	J Coupling Thread Class 2A	P Dia. Front Max.	X Dia. Panel Min.
8	.812	.594	.510	.500	.5000-20 UNF	.5625-24 UNF	.562	.620
10	.937	.719	.635	.625	.6250-24 UNEF	.6875-24 UNEF	.696	.748
12	1.031	.812	.760	.750	.7500-20 UNEF	.8750-20 UNEF	.875	.913
14	1.125	.906	.885	.875	.8750-20 UNEF	.9375-20 UNEF	.936	.980
16	1.250	.969	1.010	1.000	1.0000-20 UNEF	1.0625-18 UNEF	1.062	1.107
18	1.343	1.062	1.072	1.062	1.0625-18 UNEF	1.1875-18 UNEF	1.187	1.209
20	1.437	1.156	1.192	1.187	1.1875-18 UNEF	1.3125-18 UNEF	1.312	1.337
22	1.562	1.250	1.322	1.312	1.3125-18 UNEF	1.4375-18 UNEF	1.437	1.452
24	1.703	1.375	1.447	1.437	1.4375-18 UNEF	1.5625-18 UNEF	1.562	1.577
28	1.953	1.562	1.760	1.750	1.7500-18 UNEF	1.8125-16 UNEF	1.812	1.827

Millimeters

Shell Size	A ±.005	B ±.005	D Dia. Panel Min.	F Dia. Rear Max.	P Dia. Front Max.	X Dia. Panel Min.
8	20.62	15.09	12.95	12.70	14.27	15.75
10	23.80	18.26	16.13	15.88	17.68	18.99
12	26.19	20.62	19.30	19.05	22.23	23.19
14	28.58	23.01	22.48	22.23	23.77	24.89
16	31.75	24.61	25.65	25.40	26.97	28.12
18	34.11	26.97	27.23	26.97	30.15	30.71
20	36.50	29.36	30.28	30.15	33.32	33.96
22	39.67	31.75	33.58	33.32	36.50	36.88
24	43.26	34.93	36.75	36.50	39.67	40.06
28	49.61	39.67	44.70	44.45	46.02	46.41

Shell sizes 8 and 10 are not available in Boeing BACC63 styles and commercial ESC11 styles.  
 Bayonet style square flange receptacles are shown on page 160.  
 Hermetic threaded style square flange receptacles are shown on page 163.  
 All dimensions for reference only.

III 38999  
 II 26482  
 I Matrix 2  
 SJT  
 Matrix 83723 III  
 Pyle  
 Matrix 5015  
 Crimp Rear Release Matrix  
 26500 Pyle  
 Printed Circuit Board  
 EMI Filter Transient  
 Fiber Optics  
 High Speed Contacts  
 Options Others



**PART #**

**M83723/84 / M83723/85**  
**BT( )-19**  
**BJ/BJ8/BN/BN8/BNK-19**  
**EN2997( )7**  
**BT( )/BJ( )-19**

See Quick Reference page 141 for the variety of ordering options for jam nut (D-hole mount) receptacles with threaded coupling.  
The How to Order pages (149, 150, 152, 153) give complete part number breakdowns.

† When fully mated with plug this band will be covered.  
(Band is red on military types; can be red or blue on commercial types).

Inches

Shell Size	B Max.	C Hex Max.	G Dia. Max.	H Accessory Thread Class 2A	J Coupling Thread Class 2A	V Thread Class 2A	Y Dia. ±.005	Z Flats ±.005
8	.979	.828	1.068	.5000-20 UNF	.5625-24 UNF	.6250-20 UNEF	.635	.605
10	1.104	.953	1.192	.6250-24 UNEF	.6875-24 UNEF	.7500-20 UNEF	.760	.730
12	1.291	1.140	1.380	.7500-20 UNEF	.8750-20 UNEF	.9380-20 UNEF	.947	.917
14	1.391	1.205	1.505	.8750-20 UNEF	.9375-20 UNEF	1.0000-20 UNEF	1.010	.980
16	1.516	1.329	1.630	1.0000-20 UNEF	1.0625-18 UNEF	1.1250-18 UNEF	1.135	1.105
18	1.641	1.455	1.756	1.0625-18 UNEF	1.1875-18 UNEF	1.2500-18 UNEF	1.260	1.225
20	1.766	1.574	1.860	1.1875-18 UNEF	1.3125-18 UNEF	1.3750-18 UNEF	1.385	1.350
22	1.954	1.705	2.068	1.3125-18 UNEF	1.4375-18 UNEF	1.5000-18 UNEF	1.510	1.475
24	2.074	1.830	2.160	1.4375-18 UNEF	1.5625-18 UNEF	1.6250-18 UNEF	1.635	1.600
28	2.329	2.080	-	1.7500-18 UNEF	1.8125-16 UNEF	1.8750-20 UNEF	1.885	1.850

Millimeters

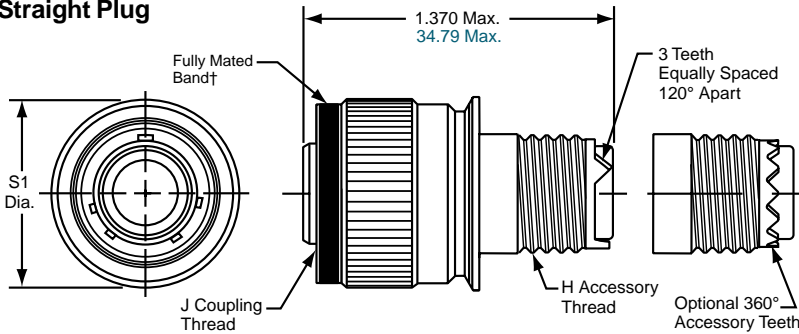
Shell Size	B Max.	C Hex Max.	G Dia. Max.	Y Dia. ±.13	Z Flats ±.13
8	24.87	21.03	27.13	16.13	15.37
10	28.04	24.21	30.28	19.30	18.54
12	32.79	28.96	35.05	24.05	23.29
14	35.33	30.61	38.23	25.65	24.89
16	38.51	33.76	41.40	28.83	28.07
18	41.68	36.96	44.60	32.00	31.12
20	44.86	39.98	47.24	35.18	34.29
22	49.63	43.31	52.53	38.35	37.47
24	52.68	46.48	80.26	41.53	40.64
28	59.16	52.83	-	47.88	46.99

No Boeing Designated jam nut receptacles.  
Bayonet style jam nut receptacles shown on page 161.  
Hermetic threaded style jam nut receptacles shown on page 164.  
All dimensions for reference only.

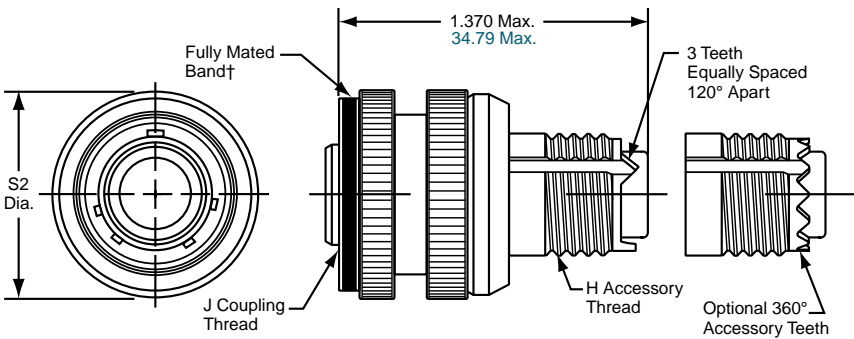
# MIL-DTL-83723, Series III, Pyle®

## Straight Plug and Non-Decoupling Plug, Threaded Coupling

### Straight Plug



### Non-Decoupling Plug



† When fully mated with receptacle this band will be covered. (Band is red on military types; can be red or blue on commercial types).

Inches

Shell Size	H Accessory Thread Class 2A	J Coupling Thread Class 2A	S1 Dia. Max.	S2 Dia. Max.
8	.5000-20 UNF	.5625-24 UNF	.776	.832
10	.6250-24 UNEF	.6875-24 UNEF	.906	.958
12	.7500-20 UNEF	.8750-20 UNEF	1.078	1.090
14	.8750-20 UNEF	.9375-20 UNEF	1.141	1.203
16	1.0000-20 UNEF	1.0625-18 UNEF	1.266	1.326
18	1.0625-18 UNEF	1.1875-18 UNEF	1.375	1.432
20	1.1875-18 UNEF	1.3125-18 UNEF	1.500	1.557
22	1.3125-18 UNEF	1.4375-18 UNEF	1.625	1.682
24	1.4375-18 UNEF	1.5625-18 UNEF	1.750	1.817
28	1.7500-18 UNEF	1.8125-16 UNEF	2.000	2.122

Millimeters

Shell Size	S1 Dia. Max.	S2 Dia. Max.
8	19.71	21.13
10	23.01	24.33
12	27.38	27.68
14	28.98	30.55
16	32.15	33.68
18	34.92	36.37
20	38.10	39.54
22	41.27	42.72
24	44.45	46.15
28	50.80	53.89

Shell sizes 8 and 10 are not available in Boeing BACC63 styles and commercial ESC11 styles.  
Boeing designations are in non-decoupling plugs only; not in straight plug designations.  
ASD and European/ESC10 or ESC11 are in non-decoupling plugs only, not in straight plug designations.  
Bayonet style straight plugs shown on page 162.  
Bayonet style non-decoupling plugs are not available.

All dimensions for reference only.

### PART # STRAIGHT PLUG

M83723/86 / M83723/87

BT( )-11

BJ/BJ8/BN/BN8/BNK-11

See Quick Reference page 142 for the variety of ordering options for straight plugs with threaded coupling.  
The How to Order pages (149, 150,153) give complete part number breakdowns.

### PART # NON-DECOUPLING PLUG

M83723/95 / M83723/96

M83723/97 / M83723/98

BT( )-12

BJ/BJ8/BN/BN8/BNK-12

BACC63CM

BSK-12

EN2997( )6

BT( )/BJ( )-12

ESC10( )6

ESC11( )6

HTK/HNK/HSK-12

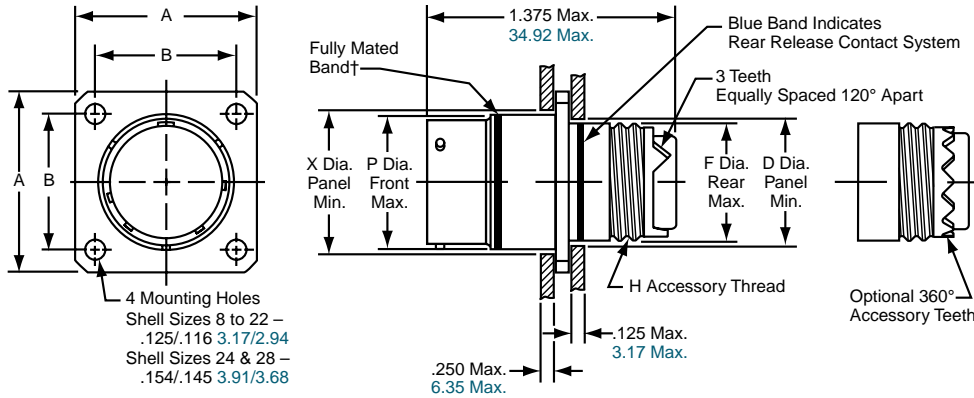
See Quick Reference page 142 for the variety of ordering options for non-decoupling plugs with threaded coupling.  
The How to Order pages (149-156) give complete part number breakdowns.

- III 38999
- II
- I
- SJT
- Matrix 2 26482
- Matrix Pyle 83723 III
- Crimp Rear Release Matrix 5015
- Pyle 26500
- Printed Circuit Board
- EM1 Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

### PART #

**M83723/71 / M83723/72**

**BY( )-17**



See Quick Reference page 143 for the variety of ordering options for square flange receptacles with bayonet coupling.

The How to Order page 149 gives complete part number breakdowns.

† When fully mated with plug this band will be covered.  
(Band is red on military types; can be red or blue on commercial types).

Inches

Shell Size	A ±.005	B ±.005	D Dia. Panel Min.	F Dia. Rear Max.	H Accessory Thread Class 2A	P Dia. Front Max.	X Dia. Panel Min.
8	.812	.594	.510	.500	.5000-20 UNF	.562	.620
10	.937	.719	.635	.625	.6250-24 UNEF	.696	.748
12	1.031	.812	.760	.750	.7500-20 UNEF	.875	.913
14	1.125	.906	.885	.875	.8750-20 UNEF	.936	.980
16	1.250	.969	1.010	1.000	1.0000-20 UNEF	1.062	1.107
18	1.343	1.062	1.072	1.062	1.0625-18 UNEF	1.187	1.209
20	1.437	1.156	1.192	1.187	1.1875-18 UNEF	1.312	1.337
22	1.562	1.250	1.322	1.312	1.3125-18 UNEF	1.437	1.452
24	1.703	1.375	1.447	1.437	1.4375-18 UNEF	1.562	1.577

Millimeters

Shell Size	A ±.005	B ±.005	D Dia. Panel Min.	F Dia. Rear Max.	P Dia. Front Max.	X Dia. Panel Min.
8	20.62	15.04	12.95	12.70	14.27	15.75
10	23.80	18.26	16.13	15.88	17.68	18.99
12	26.19	20.62	19.30	19.05	22.23	23.19
14	28.58	23.01	22.48	22.23	23.77	24.89
16	31.75	24.61	25.65	25.40	26.97	28.12
18	34.11	26.97	27.23	26.97	30.15	30.71
20	36.50	29.36	30.28	30.15	33.32	33.96
22	39.67	31.75	33.58	33.32	36.50	36.88
24	43.26	34.93	36.75	36.50	39.67	40.06

Bayonet coupling connectors are offered in Military 83723 and Commercial equivalent designations. They are not included in Boeing, GE, ASD and other European specified connectors.

Shell size 28 is not available in Bayonet coupling connectors.

All dimensions for reference only.



# MIL-DTL-83723, Series III, Pyle®

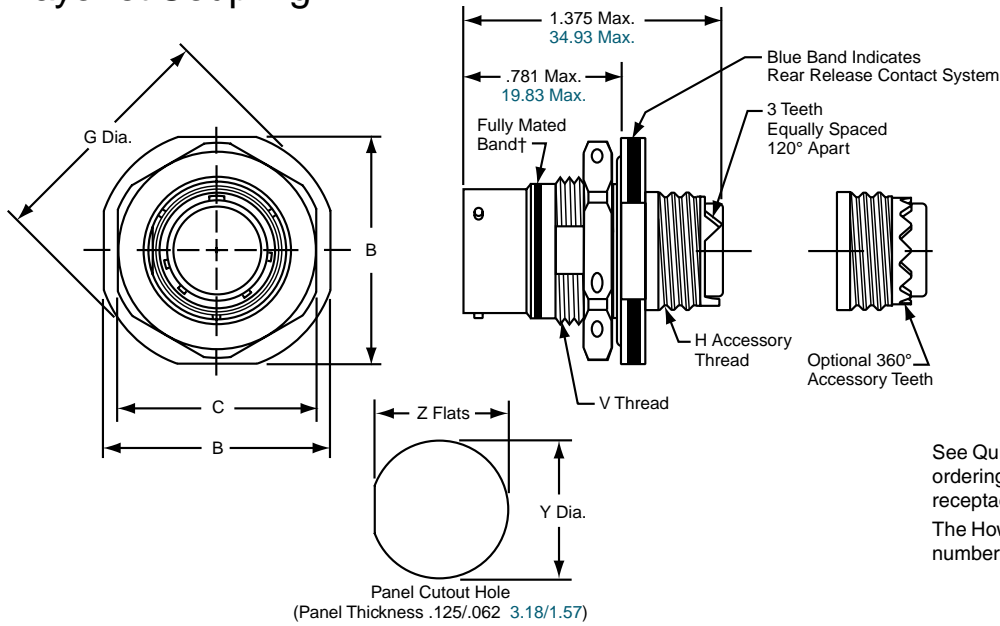
## Jam Nut (D-Hole Mount) Receptacle,

### Bayonet Coupling

#### PART #

**M83723/73 / M83723/74**

**BY( )-19**



See Quick Reference page 143 for the variety of ordering options for jam nut D-hole mount receptacles with bayonet coupling. The How to Order page 149 gives complete part number breakdowns.

† When fully mated with plug this band will be covered.  
(Band is red on military types; can be red or blue on commercial types).

Inches

Shell Size	B Flats Max.	C Hex Max.	G Dia. Max.	H Accessory Thread Class 2A	V Thread Class 2A	Y Dia. ±.005	Z Flats ±.005
8	.979	.828	1.068	.5000-20 UNF	.6250-20 UNEF	.635	.605
10	1.104	.953	1.192	.6250-24 UNEF	.7500-20 UNEF	.760	.730
12	1.291	1.140	1.380	.7500-20 UNEF	.9380-20 UNEF	.947	.917
14	1.391	1.205	1.505	.8750-20 UNEF	1.0000-20 UNEF	1.010	.980
16	1.516	1.329	1.630	1.0000-20 UNEF	1.1250-20 UNEF	1.135	1.105
18	1.641	1.455	1.756	1.0625-18 UNEF	1.2500-18 UNEF	1.260	1.225
20	1.766	1.574	1.860	1.1875-18 UNEF	1.3750-18 UNEF	1.385	1.350
22	1.954	1.705	2.068	1.3125-18 UNEF	1.5000-18 UNEF	1.510	1.475
24	2.074	1.830	2.160	1.4375-18 UNEF	1.6250-18 UNEF	1.635	1.600

Millimeters

Shell Size	B Flats Max.	C Hex Max.	G Dia. Max.	Y Dia. ±.13	Z Flats ±.13
8	24.87	21.03	27.13	16.13	15.37
10	28.04	24.21	30.28	19.30	18.54
12	32.79	28.96	35.05	24.05	23.29
14	35.33	30.61	38.23	25.65	24.89
16	38.51	33.76	41.40	28.83	28.07
18	41.68	36.96	44.60	32.00	31.12
20	44.86	39.98	47.24	35.18	34.29
22	49.63	43.31	52.53	38.35	37.47
24	52.68	46.48	80.26	41.53	40.64

Bayonet coupling connectors are offered in Military 83723 and Commercial equivalent designations. They are not included in Boeing, GE, ASD and other European specified connectors.

Shell size 28 is not available in Bayonet coupling connectors.

All dimensions for reference only.

III 38999  
II 1  
I SJT

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

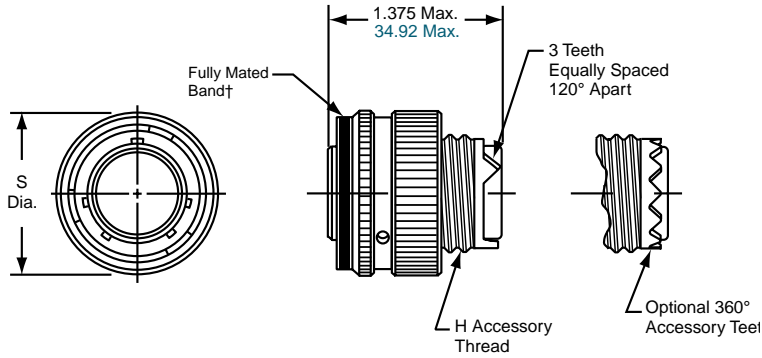
EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

**PART #**  
**M83723/75 / M83723/76**  
**BY( )-10**



† When fully mated with receptacle this band will be covered. (Band is red on military types; can be red or blue on commercial types).

See Quick Reference page 143 for the variety of ordering options for straight plugs with bayonet coupling.

The How to Order page 149 gives complete part number breakdowns.

Inches

Shell Size	H Accessory Thread Class 2A	S Dia. Max.
8	.5000-20 UNF	.765
10	.6250-24 UNEF	.906
12	.7500-20 UNEF	1.078
14	.8750-20 UNEF	1.125
16	1.0000-20 UNEF	1.266
18	1.0625-18 UNEF	1.375
20	1.1875-18 UNEF	1.505
22	1.3125-18 UNEF	1.625
24	1.4375-18 UNEF	1.755

Millimeters

Shell Size	S Dia. Max.
8	19.43
10	23.01
12	27.38
14	28.57
16	32.15
18	34.92
20	38.22
22	41.27
24	44.57

Bayonet coupling connectors are offered in Military 83723 and Commercial equivalent designations. They are not included in Boeing, GE, ASD and other European specified connectors.

Shell size 28 is not available in Bayonet coupling connectors.

All dimensions for reference only.

**83723 III**  
Matrix Pyle

**5015**  
Crimp Rear Release Matrix

**26500** Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

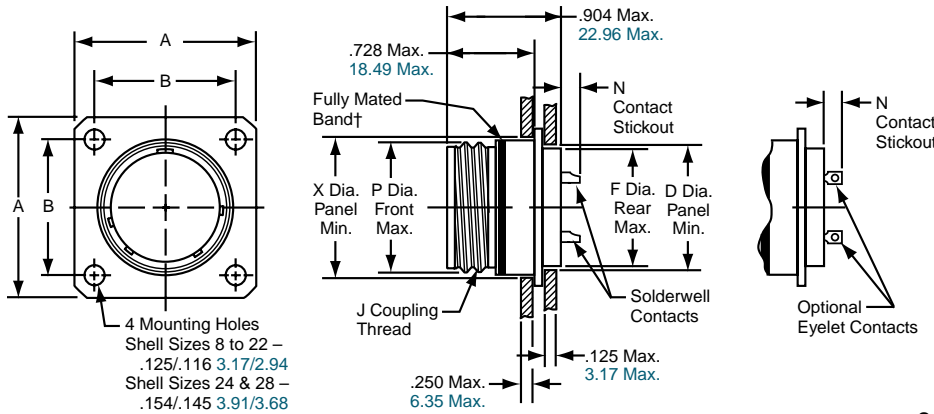
Options  
Others

**38999**  
SJT I II III

**26482**  
Matrix 2

# MIL-DTL-83723, Series III, Pyle®

## Hermetic Square Flange Mount Receptacle, Threaded Coupling



**PART #**  
**M83723/88Y / M83723/88P**  
**BTY/BFY/BNY-17**  
**EN2997Y0 /YE0**  
**ESC10YE2**  
**ESC11YE2**

† When fully mated with plug this band will be covered.  
 (Band is red on military types; can be red or blue on commercial types).

See Quick Reference page 144 for the variety of ordering options for hermetic square flange mount receptacles with threaded coupling.  
 The How to Order pages (152, 154, 156) give complete part number breakdowns.

Inches

Shell Size	A ±.010	B ±.005	D Dia. Panel Min.	F Dia. Rear Max.	J Coupling Thread Class 2A	N Contact Stickout		P Dia. Front Max.	X Dia. Panel Min.
						Size 20 Contacts	Size 12 & 16 Contacts		
8	.812	.594	.510	.500	.5625-24 UNF	.194 / .134	.224 / .164	.562	.572
10	.937	.719	.635	.625	.6875-24 UNEF	.194 / .134	.224 / .164	.696	.706
12	1.031	.812	.760	.750	.8750-20 UNEF	.194 / .134	.224 / .164	.875	.885
14	1.125	.906	.885	.875	.9375-20 UNEF	.194 / .134	.224 / .164	.936	.946
16	1.250	.969	1.010	1.000	1.0625-18 UNEF	.194 / .134	.224 / .164	1.062	1.072
18	1.343	1.062	1.072	1.062	1.1875-18 UNEF	.194 / .134	.224 / .164	1.187	1.197
22	1.562	1.250	1.322	1.312	1.4375-18 UNEF	.194 / .134	.224 / .164	1.437	1.447

Millimeters

Shell Size	A ±.25	B ±.13	D Dia. Panel Min.	F Dia. Rear Max.	P Dia. Front Max.	X Dia. Panel Min.
8	20.62	15.09	12.95	12.70	14.27	15.75
10	23.80	18.26	16.13	15.88	17.68	18.99
12	26.19	20.62	19.30	19.05	22.23	23.19
14	28.58	23.01	22.48	22.23	23.77	24.89
16	31.75	24.61	25.65	25.40	26.97	28.12
18	34.11	26.97	27.23	26.97	30.15	30.71
22	39.67	31.75	33.58	33.32	36.50	36.88

Hermetic style receptacles are not included in Boeing designations.  
 Commercial hermetics meet some European and GE specifications.  
 Hermetic styles are threaded coupling only.  
 Shell sizes 20, 24 and 28, consult Amphenol for availability.  
 All dimensions for reference only.

III 38999  
 II 1  
 I SJT

Matrix 2 26482

Matrix Pyle 83723 III

Crimp Rear Release Matrix 5015

26500 Pyle

Printed Circuit Board

EMI Filter Transient

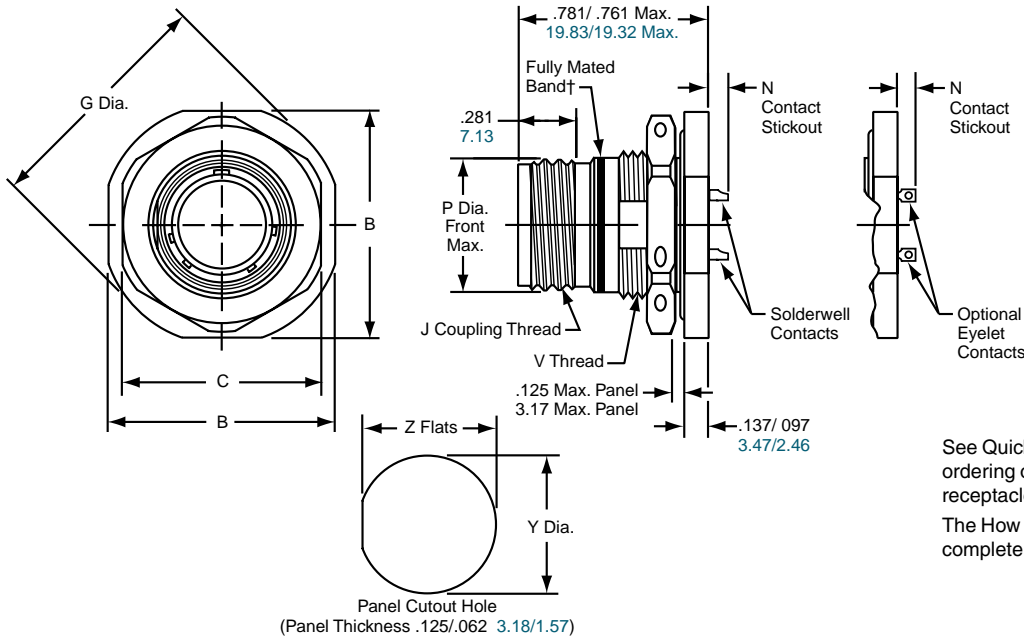
Fiber Optics

High Speed Contacts

Options Others

**MIL-DTL-83723, Series III, Pyle®**  
Hermetic Jam Nut (D-Hole Mount) Receptacle,  
Threaded Coupling

**PART #**  
M83723/89Y / M83723/89P  
BTY/BFY/BNY-19  
EN2997Y7 / YE7  
ESC10YE3  
ESC11YE3



See Quick Reference page 144 for the variety of ordering options for hermetic jam nut D-hole mount receptacles with threaded coupling. The How to Order pages (152, 154, 156) give complete part number breakdowns.

† When fully mated with plug this band will be covered. (Band is red on military types; can be red or blue on commercial types).

Inches

Shell Size	B Flats Max.	C Hex Max.	G Dia. Max.	J Coupling Thread Class 2A	N Contact Stickout		P Dia. Front Max.	V Thread Class 2A	Y Dia. ±.005	Z Flats ±.005
					Size 20 Contacts	Size 12 & 16 Contacts				
8	.980	.828	1.068	.5625-24 UNF	.180 / .120	.210 / .150	.562	.6250-20 UNF	.635	.605
10	1.104	.953	1.192	.6875-24 UNEF	.180 / .120	.210 / .150	.696	.7500-20 UNEF	.760	.730
12	1.291	1.140	1.380	.8750-20 UNEF	.180 / .120	.210 / .150	.875	.9380-20 UNEF	.947	.917
14	1.391	1.205	1.505	.9375-20 UNEF	.180 / .120	.210 / .150	.936	1.0000-20 UNEF	1.010	.980
16	1.516	1.329	1.630	1.0625-18 UNEF	.180 / .120	.210 / .150	1.062	1.1250-18 UNEF	1.135	1.105
18	1.641	1.455	1.756	1.1875-18 UNEF	.180 / .120	.210 / .150	1.187	1.2500-18 UNEF	1.260	1.225
22	1.954	1.705	2.068	1.4375-18 UNEF	.180 / .120	.210 / .150	1.437	1.5000-18 UNEF	1.510	1.475

Millimeters

Shell Size	B Flats Max.	C Hex Max.	G Dia. Max.	N Contact Stickout		P Dia. Front Max.	Y Dia. ±.13	Z Flats ±.13
				Size 20 Contacts	Size 12 & 16 Contacts			
8	24.89	21.03	27.13	4.57 / 3.05	5.33 / 3.81	14.27	16.13	15.37
10	28.04	24.21	30.28	4.57 / 3.05	5.33 / 3.81	17.68	19.30	18.54
12	32.79	28.96	35.05	4.57 / 3.05	5.33 / 3.81	22.23	24.05	23.29
14	35.33	30.61	38.23	4.57 / 3.05	5.33 / 3.81	23.77	25.65	24.89
16	38.51	33.76	41.40	4.57 / 3.05	5.33 / 3.81	26.97	28.83	28.07
18	41.68	36.96	44.60	4.57 / 3.05	5.33 / 3.81	30.15	32.00	31.12
22	49.63	43.31	52.53	4.57 / 3.05	5.33 / 3.81	36.47	38.35	37.47

Hermetic style receptacles are not included in Boeing designations. Commercial hermetics meet some European and GE specifications. Hermetic styles are threaded coupling only. Shell sizes 20, 24 and 28, consult Amphenol for availability. All dimensions for reference only.

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

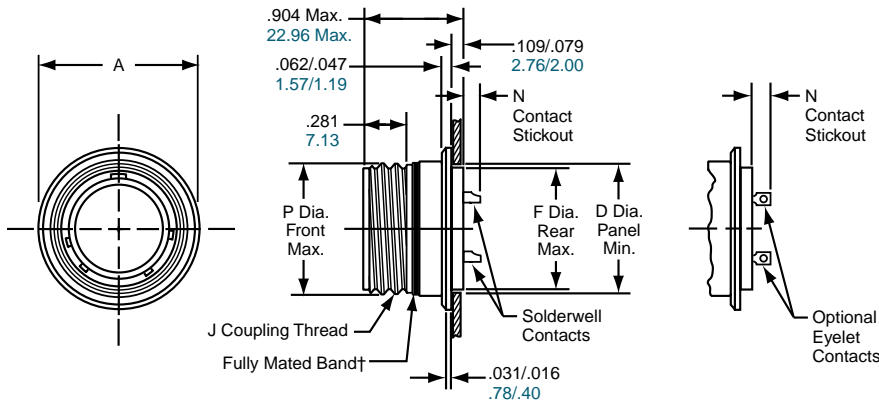
Fiber Optics

High Speed  
Contacts

Options  
Others

# MIL-DTL-83723, Series III, Pyle®

## Hermetic Solder Mount/Weld Mount Receptacle, Threaded Coupling



**PART #**

**M83723/90Y / M83723/90P**

**BTY/BFY/BNY-14**

**EN2997Y1 / YE1**

**ESC10YE1**

**ESC11YE1**

† When fully mated with plug this band will be covered.  
(Band is red on military types; can be red or blue on commercial types).

See Quick Reference page 144 for the variety of ordering options for hermetic solder mount / weld mount receptacles with threaded coupling.

The How to Order pages (152, 154, 156) give complete part number breakdowns.

Inches

Shell Size	A Dia. ±.010	D Dia. Panel Min.	F Dia. Rear Max.	J Coupling Thread Class 2A	N Contact Stickout		P Dia. Front Max.
					Size 20 Contacts	Size 12 & 16 Contacts	
8	.713	.510	.500	.5625-24 UNF	.194 / .134	.224 / .164	.562
10	.840	.572	.562	.6875-24 UNEF	.194 / .134	.224 / .164	.696
12	1.045	.760	.750	.8750-20 UNEF	.194 / .134	.224 / .164	.875
14	1.090	.822	.812	.9375-20 UNEF	.194 / .134	.224 / .164	.936
16	1.210	.947	.937	1.0625-18 UNEF	.194 / .134	.224 / .164	1.062
18	1.340	1.072	1.062	1.1875-18 UNEF	.194 / .134	.224 / .164	1.187
22	1.562	1.322	1.312	1.4375-18 UNEF	.194 / .134	.224 / .164	1.437

Millimeters

Shell Size	A Dia. ±.25	D Dia. Panel Min.	F Dia. Rear Max.	P Dia. Front Max.
8	18.11	12.95	12.70	14.27
10	21.34	14.53	14.27	17.68
12	26.54	19.30	19.05	22.23
14	27.69	20.88	20.62	23.77
16	30.73	24.05	23.80	26.97
18	34.04	27.23	26.97	30.15
22	39.67	33.58	33.32	36.50

Hermetic style receptacles are not included in Boeing designations. Commercial hermetics meet some European and GE specifications. Hermetic styles are threaded coupling only. Shell sizes 20, 24 and 28, consult Amphenol for availability. All dimensions for reference only.

III 38999  
II 1  
I 1  
SJT

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

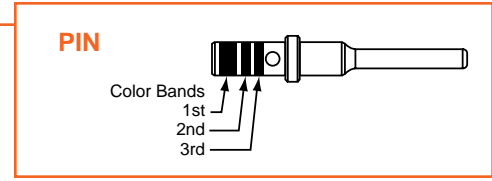
Fiber Optics

High Speed  
Contacts

Options  
Others

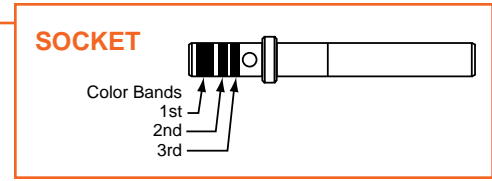
### STANDARD CRIMP CONTACTS - PIN PART NUMBERS / COLOR BANDS

Contact Size	Pin MS Spec Number	Pin Pyle Part Number	Pin Color Bands		
			1st Band	2nd Band	3rd Band
20	M39029/4-110	BA-4020-36LD	Brown	Brown	Black
16	M39029/4-111	BA-4016-36LD	Brown	Brown	Brown
12	M39029/4-113	BA-4012-36LD	Brown	Brown	Orange



### STANDARD CRIMP CONTACTS - SOCKET PART NUMBERS / COLOR BANDS

Contact Size	Socket MS Spec Number	Socket Pyle Part Number	Socket Color Bands		
			1st Band	2nd Band	3rd Band
20	M39029/5-115	BA-4120-36LD	Brown	Brown	Green
16	M39029/5-116	BA-4116-36LD	Brown	Brown	Blue
12	M39029/5-118	BA-4112-36LD	Brown	Brown	Gray



Sockets feature 4 tine construction with supporting spring bands.

### STANDARD CRIMP CONTACT RATING

Contact Size	Test Current Standard	Crimp Well Data			
		Well Diameter		Min. Well Depth	
		Inches	Millimeters	Inches	Millimeters
20	7.5	.049	1.25	.157	3.99
16	13.0	.067	1.70	.250	6.35
12	23.0	.100	2.54	.250	6.35

### STANDARD SEALING PLUGS

Contact Size	Sealing Plug MS Number	Sealing Plug Pyle Number	Color
20	MS27488-20	BA-4020-59P	Red
16	MS27488-16	BA-4016-59P	Blue
12	MS27488-12	BA-4012-59P	Yellow

### TOOLS

Contact Size	Crimp Tool		Adjustable Turret		Checking Gauge for M22520/1-01 Crimping Tool		Insertion/Removal Tool		
	MS Number	Pyle Number	MS Number	Pyle Number	MS Number	Pyle Number	MS Number	Pyle Number	Amphenol Number*
20	M22520/1-01	TP-201354	M22520/1-02	TP-201355	M22520/3	TP-201356	M81969/14-11	TP-201343-20-BA	10-538988-201
16							M81969/14-03	TP-201343-16-BA	10-538988-016
12							M81969/14-04	TP-201343-12-BA	10-538988-012

\* Amphenol part number for insertion/removal tool supersedes Pyle number

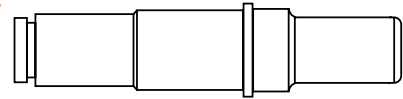
# MIL-DTL-83723, Series III, Pyle®

## Shielded Contacts, Thermocouple Contacts, Wire Sealing Information

### SHIELDED CONCENTRIC TWINAX CONTACTS

Contact Size	Cable Accommodation	Concentric Twinax Pin
#8 Twinax	M17/176-00002	BA-46T08-LD
#8 Twinax	PAN 6421 or JN1060ZB002	BA-46TA08-LD

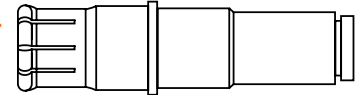
**CONCENTRIC TWINAX PIN**



Non-MS part; no color bands.

Contact Size	Cable Accommodation	Concentric Twinax Socket
#8 Twinax	M17/176-00002	BA-47T08-LD
#8 Twinax	PAN 6421 or JN1060ZB002	BA-47TA08-LD

**CONCENTRIC TWINAX SOCKET**



Non-MS part; no color bands.

Concentric Twinax contacts are designed for protection from magnetic and electrostatic interference including nuclear electromagnetic pulse. Consult Amphenol for other size twinax and coax contacts available for use in MIL-DTL-83723, Series III Pyle connectors.

### THERMOCOUPLE - PIN PART NUMBERS / COLOR BANDS

Contact Size	Material	Thermocouple Pin Pyle Part Number	Thermocouple Pin Color Bands		
			1st Band	2nd Band	3rd Band
20	Chromel	BT-4020-10P	Brown	Orange	Green
20	Alumel	BT-4020-10R	Brown	Orange	Yellow
16	Chromel	BA-4016-10P	Green	Brown	Violet
16	Alumel	BA-4016-10R	Green	Brown	Blue

### THERMOCOUPLE - SOCKET PART NUMBERS / COLOR BANDS

Contact Size	Material	Thermocouple Socket Pyle Part Number	Thermocouple Socket MS Part Number	Thermocouple Socket Color Bands		
				1st Band	2nd Band	3rd Band
20	Chromel	BT-4120-10P	–	Brown	Yellow	Brown
20	Alumel	BT-4120-10R	–	Brown	Yellow	Black
16	Chromel	BT-4116-10P	M39029/10-522	Green	Red	Red
16	Alumel	BT-4116-10R	M39029/10-521	Green	Red	Brown

### STANDARD & HIGH TEMPERATURE CRIMP CONTACTS WIRE SEALING DIAMETERS / STRIPPING LENGTHS

Contact Size	Wire Size (AWG)	Finished Wire Outside				Stripping Lengths			
		Minimum		Maximum		Minimum		Maximum	
		Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
20	24, 22, 20	.033	.84	.083	2.11	.140	3.56	.202	5.13
16	20, 18, 16	.047	1.19	.106	2.69	.218	5.54	.280	7.11
12	14, 12	.075	1.91	.157	3.99	.218	5.54	.280	7.11

III  
II  
I  
SJT  
38999

Matrix 2  
26482

Matrix Pyle  
83723 III

Release Matrix  
5015  
Crimp Rear

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

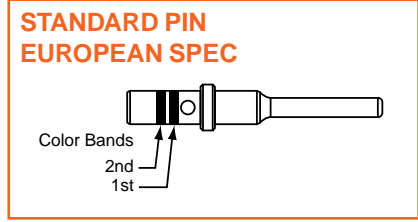
Fiber Optics

High Speed  
Contacts

Options  
Others

**CONTACTS THAT MEET EUROPEAN SPECIFICATIONS  
STANDARD CRIMP - PIN  
PART NUMBERS / COLOR BANDS**

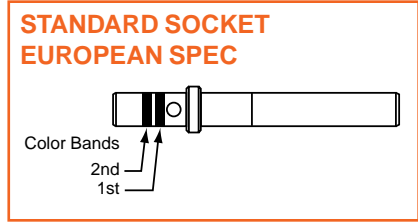
Contact Size	Pin Pyle Part Number	Pin EN3155 Part Number	Pin Color Bands		
			1st Band	2nd Band	Dot
20	BA-4020-36LD-Y165	EN3155-002MM2020	Red	Red	-
20/18*	BA-402018-36LD-Y165	EN3155-002M2018	Red	Violet	-
16	BA-4016-36LD-Y165	EN3155-002M1616	Blue	Blue	-
12	BA-4012-36LD-Y165	EN3155-002M1212	Yellow	Yellow	-



First band color is for contact size  
2nd band color is for AWG wire size

**CONTACTS THAT MEET EUROPEAN SPECIFICATIONS  
STANDARD CRIMP - SOCKET  
PART NUMBERS / COLOR BANDS**

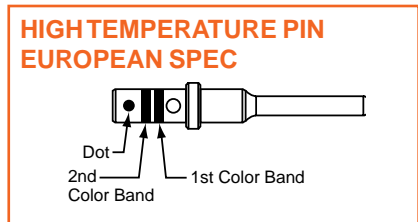
Contact Size	Socket Pyle Part Number	Socket EN3155 Part Number	Socket Color Bands		
			1st Band	2nd Band	Dot
20	BA-4120-36LD-Y165	EN3155-003F2020	Red	Red	-
20/18*	BA-412018-36LD-Y165	EN3155-003F2018	Red	Violet	-
16	BA-4116-36LD-Y165	EN3155-003F1616	Blue	Blue	-
12	BA-4112-36LD-Y165	EN3155-003F1212	Yellow	Yellow	-



First band color is for contact size  
2nd band color is for AWG wire size

**CONTACTS THAT MEET EUROPEAN SPECIFICATIONS  
HIGH TEMPERATURE - PIN  
PART NUMBERS / COLOR BANDS**

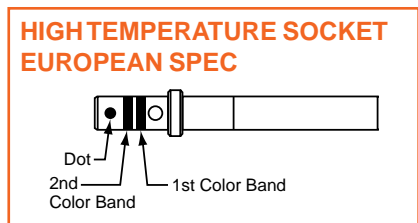
Contact Size	Pin Pyle Part Number	Pin ESC30 Part Number	Pin EN3155 Part Number	Pin Color Bands		
				1st Band	2nd Band	Dot
20	BA-4020-50LD	ESC30-P20BC	EN3155-004M2020	Red	Red	White
20/18*	BA-402018-50LD	-	EN3155-004M2018	Red	Violet	White
16	BA-4016-50LD	ESC30-P16BC	EN3155-004M1616	Blue	Blue	White
12	BA-4012-50LD	ESC30-P12BC	EN3155-004M1212	Yellow	Yellow	White



First band color is for contact size  
2nd band color is for AWG wire size  
Dot identifies High Temperature or Thermocouple contacts

**CONTACTS THAT MEET EUROPEAN SPECIFICATIONS  
HIGH TEMPERATURE - SOCKET  
PART NUMBERS / COLOR BANDS**

Contact Size	Socket Pyle Part Number	Socket ESC30 Part Number	Socket EN3155 Part Number	Socket Color Bands		
				1st Band	2nd Band	Dot
20	BA-4120-50LD	ESC30-S20BC	EN3155-005M2020	Red	Red	White
20/18*	BA-412018-50LD	-	EN3155-005M2018	Red	Violet	White
16	BA-4116-50LD	ESC30-S16BC	EN3155-005M1616	Blue	Blue	White
12	BA-4112-50LD	ESC30-S12BC	EN3155-005M1212	Yellow	Yellow	White



First band color is for contact size  
2nd band color is for AWG wire size  
Dot identifies High Temperature or Thermocouple contacts

\* #20 contacts with #18 crimpwell



### CONTACTS THAT MEET EUROPEAN SPECIFICATIONS THERMOCOUPLE - PIN PART NUMBERS / COLOR BANDS

Contact Size	Material	Pin Pyle Part Number	Pin ESC30 Part Number	Pin Color Bands		
				1st Band	2nd Band	Dot
20	Chromel	BT-4020-10P-Y165	ESC30-P20NC	Red	Red	Yellow
20	Alumel	BT-4020-10R-Y165	ESC30-P20NA	Red	Red	Black
20/18*	Chromel	BT-402018-10P-Y165	-	Red	Violet	Yellow
20/18*	Alumel	BT-402018-10R-Y165	-	Red	Violet	Black
16	Chromel	BT-4016-10P-Y165	ESC30-P16NC	Blue	Blue	Yellow
16	Alumel	BT-4016-10R-Y165	ESC30-P16NA	Blue	Blue	Black

### CONTACTS THAT MEET EUROPEAN SPECIFICATIONS THERMOCOUPLE - SOCKET PART NUMBERS / COLOR BANDS

Contact Size	Material	Socket Pyle Part Number	Socket ESC30 Part Number	Socket Color Bands		
				1st Band	2nd Band	Dot
20	Chromel	BT-4120-10P-Y165	ESC30-S20NC	Red	Red	Yellow
20	Alumel	BT-4120-10R-Y165	ESC30-S20NA	Red	Red	Black
20/18*	Chromel	BT-412018-10P-Y165	-	Red	Violet	Yellow
20/18*	Alumel	BT-412018-10R-Y165	-	Red	Violet	Black
16	Chromel	BT-4116-10P-Y165	ESC30-S16NC	Blue	Blue	Yellow
16	Alumel	BT-4116-10R-Y165	ESC30-S16NA	Blue	Blue	Black

### HIGH TEMPERATURE SEALING PLUGS

Contact Size	Sealing Plug Pyle Number	Color
20	BT-4020-60P	Red
16	BT-4016-60P	Blue
12	BT-4012-60P	Yellow

III  
II  
I  
SJT  
38999

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear  
Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

Options  
Others

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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